

PLEASE NOTE AN IMPERMEABLE LINER SUCH AS BIDIM A44 GEO-FABRIC MUST BE INSTALLED AT THE BASE (AND UP THE EDGES) OF THE RAIN GARDEN TO STOP GROUND WATER FILTERING INTO SURROUNDING SOIL NOTING THE LANDSLIDE RISK EVIDENT PRIMARILY LINKED TO GROUNDWATER.

WATER SENSITIVE URBAN DESIGN ELEMENTS FORM PART OF THIS PROJECT - RAIN GARDEN AND RAINWATER REUSE TANK - REUSE OF TANK IN ACCORDANCE WITH BASIX REQUIREMENTS OR AS PER COUNCIL REQUIREMENTS

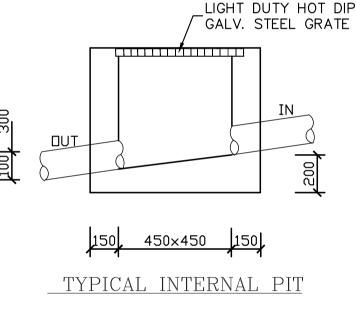
RAIN GARDEN:

PROVIDED RAIN GARDEN AREA: 1.21m2

NOTE: FOR OWNER/BUILDER/PLUMBER REGULAR 2 MONTHLY MAINTAINENCE IS REQUIRED TO ALL PITS. OWNER/BUILDER/TENNANT TO ENSURE ALL PITS ARE CLEANED.

NOTE: BASIX REQUIREMENTS
ENSURE MINIMUM ROOF CATCHMENT AREA DRAINS TO ABOVE GROUND RAINWATER TANK. REFER BASIX REPORT AND REQUIREMENTS

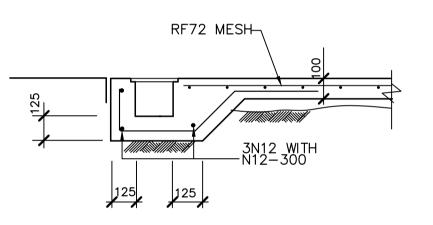
NOTE: BASIX REQUIREMENTS MINIMUM RAINWATER TANK CAPACITY = 2000L PROVIDED RAINWATER TANK CAPACITY = 3000L MINIMUM COLLECTED ROOF RUNOFF = 90sqm PROVIDED COLLECTED ROOF RUNOFF = 102sqm



RAINWATER TANK NOTES: RAINWATER TANK AND PIPE WORK IS TO BE PAINTED IN COLOURS MATCHING THE EXTERNAL FINISHES OF THE DWELLING AND IS TO BE NON-REFLECTIVE FINISH.

LEGEND			
RL 00.000	NEW REDUCED LEVEL		
GFL. 00.00	GROUND FLOOR LEVEL		
FFL. 00.00	FINISH FLOOR LEVEL		
A,B,C,D, etc.	REFER TO PIPE SEHEDULE		
L1	PIPE LABEL		
PIT P1	SURFACE INLET PIT		
● DP	DOWNPIPE		
□ RWH	RAIN WATER HEAD		
	PIT: SIZE AS MARKED		
	SEALED PIT: SIZE AS MARKED		
	W:200mm x D:200mm GRATED DRAIN		
-	GROUND FALL		
	OVERLAND FLOW		
	100mm UPVC CHARGED LINE		
	DRAINAGE PIPE IN GROUND		
	RAINWATER TANK OVERFLOW PIPE		

PIPE SCHEDULE				
TO ALL GUTTERS				
TAG	PIPE Ø	MATERIAL	Min. GRADE	
Α	100	PVC	1%	
В	100 OVERFLOW	PVC	1%	
С	100 CHARGED	PVC	_	
DP	100	PVC	_	



GRATED DRAIN

	NOTES
END	1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE
REDUCED LEVEL	ARCHITECTURAL DRAWINGS, STRUCTURAL DRAWINGS AND THE
OUND FLOOR LEVEL	SPECIFICATON. 2. PRIOR TO COMMENCEMENT OF WORKS THE CONTRACTOR SHALL
SH FLOOR LEVEL	SATISFY HIMSELF OF THE CORRECT LOCATION OF EXISTING
ER TO PIPE SEHEDULE	SERVICES WHETHER INDICATED OR NOT ON THE PLANS. ANY DAMAGE TO EXISTING SERVICES SHALL BE RECTIFIED AT THE
LABEL	CONTRACTORS EXPENSE.
FACE INLET PIT	3. TRAFFIC MANAGEMENT MEASURES HAVE TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTON, ALL IN ACCORDANCE
INPIPE	WITH COUNCIL'S REQUIREMENTS. THE CONTRACTOR SHALL
WATER HEAD	MAINTAIN SAFE PEDESTRIAN ACCESS ALONG THE FOOTPATH. 4. THE CONTRACTOR SHALL EFFECT TEMPORARY DRAINAGE
SIZE AS MARKED	MEASURES TO AVOID LOCALISED PONDING OF SURFACE RUN-OFF. 5. REFER TO ARCHITECT'S DRAWINGS FOR ALL DETAILS (LEVELS,
LED PIT: SIZE AS MARKED	GRADING ETC.) OF DRIVEWAYS, CONCRETE AND PAVED AREAS, AND RETAINING WALL TYPES AND LOCATIONS.
00mm x D:200mm TED DRAIN	6. REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR DETAILS AND EXTENT OF ALL LANDSCAPED AREAS. 7. ALL SWD DIRES ARE LIDYC AT 1.0% MINIMUM CRADE (LINO)
UND FALL	7. ALL SWD PIPES ARE UPVC AT 1.0% MINIMUM GRADE (UNO). 8. SWD PITS CAN BE PRE—CAST SIZED AS FOLLOWS:
RLAND FLOW	450mm SQ. UP TO 600mm DEEP

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 FINAL COMPLETION OF WORKS.
THAL COM LETION OF WORKS.

WHEN EXCAVATING WITHIN ANY SITE, FOOTPATH AND ROADWAY ALL SERVICES SHALL BE LOCATED PRIOR TO COMMENCEMENT OF THE EXCAVATION WORKS. CONTACT "DIAL BEFORE YOU DIG" ON PHONE No. 1100 OR GO TO THE WEB SITE

9. ALL PITS LOCATED IN TRAFFICABLE AREAS, (IE, DRIVEWAYS)

10. PROVIDE STEP IRONS TO ALL PITS GREATER THAN 1.2m DEEP.

11. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND

HAZARD AREAS SUCH AS DRAINAGE LINES. THIS TOPSOIL IS TO

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

SEDIMENT CONTROL MEASURES PRIOR TO COMMENCEMENT OF

12. TOPSOIL SHALL BE STRIPPED DN STOCKPILED OUTSIDE

AS DIRECTED BY THE SUPERINTENDENT. THE PERIOD FOR

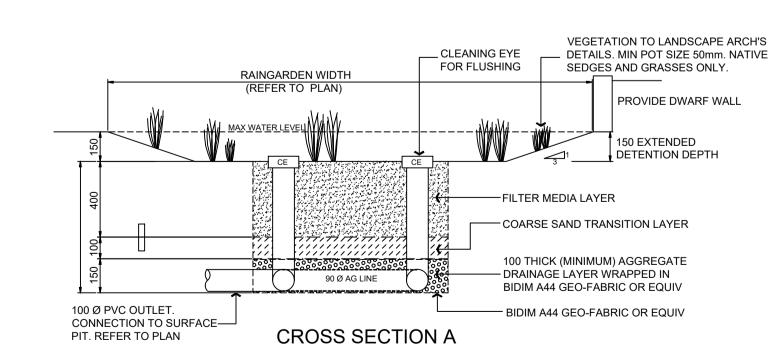
BE RESPREAD LATER ON AREAS TO BE REVEGETATED.

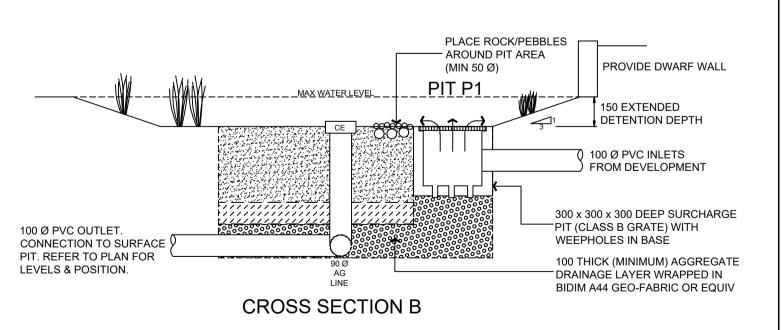
TO HAVE MEDIUM DUTY GRATED COVERS SUITABLE FOR

WITHSTANDING LOADS ASSOCIATED WITH SMALL TRUCKS.

600mm SQ. UP TO 1000mm DEEP

"www.dialbeforeyoudig.com.au"

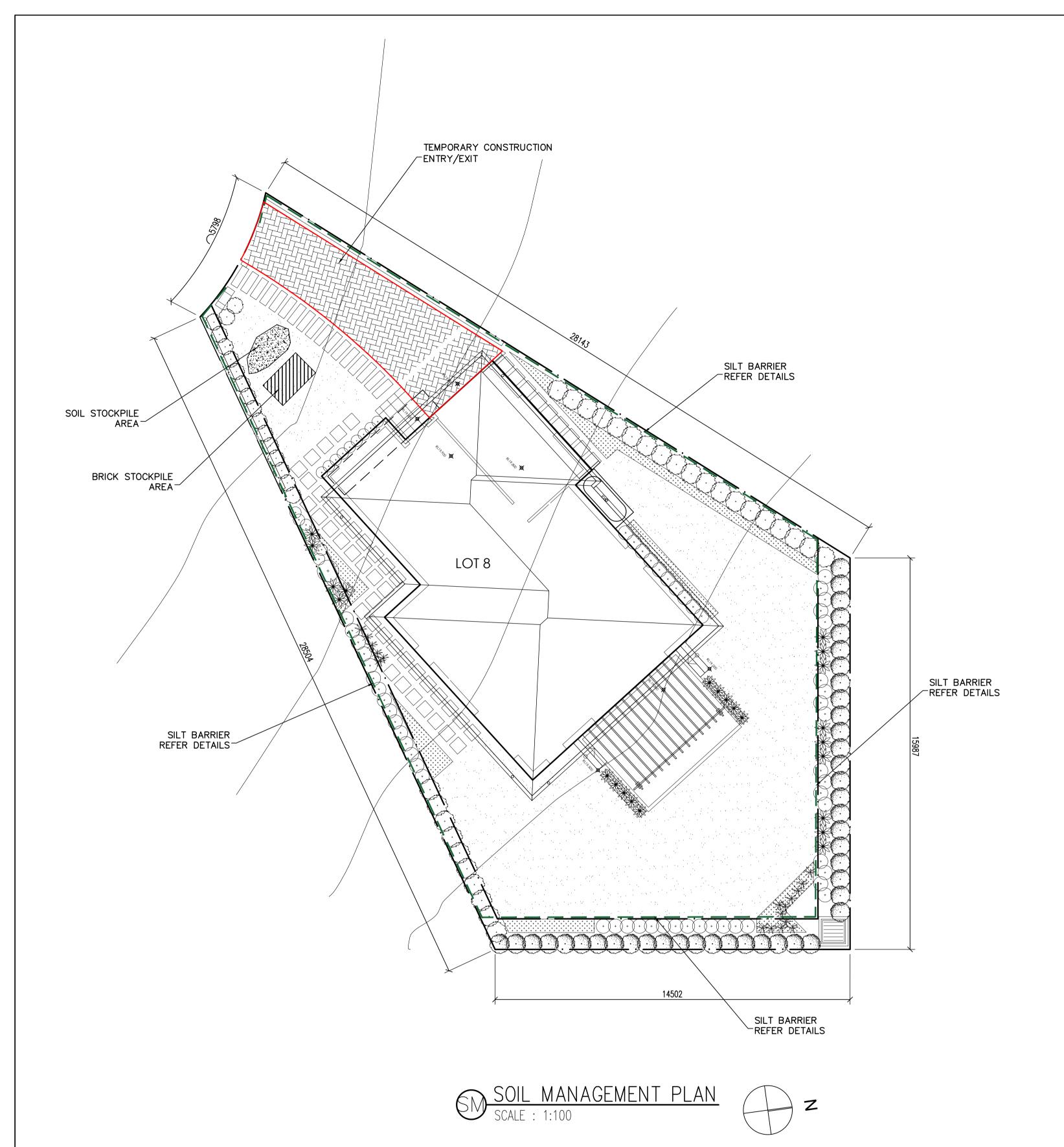


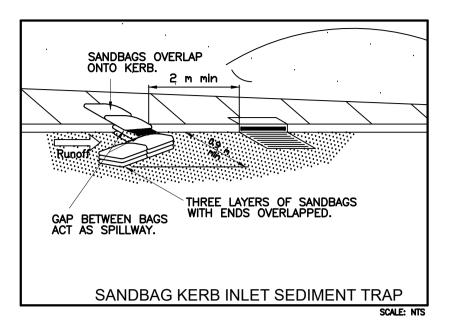


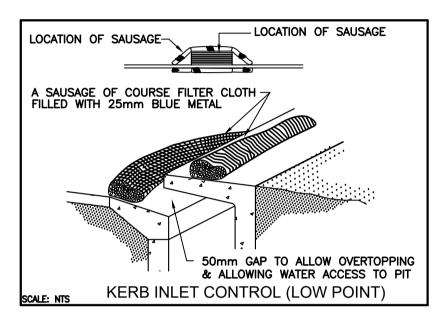
RAIN GARDEN DETAILS

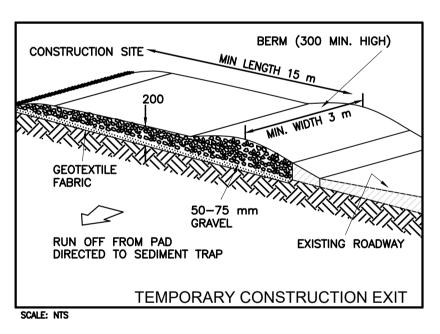
DRAWING TITLE SUITE 303 / 29-31 LEXINGTON DRIVE PROPOSED DEVELOPMENT NORWEST BUSINESS PARK, DRAINAGE LAYOUT PLAN BELLA VISTA N.S.W. 2153 LOT 8, 10 FERN CREEK ROAD, WORRIEWOOD, NSW ALL CORRESPONDENCE TO: P.O. BOX 6080 BAULKHAM HILLS BC SCALES A1 - 1:100 **BAULKHAM HILLS NSW 2153** 03/12/2021 SKYCORP ISSUED FOR DA APPROVAL 21/09/2021 PRELIMINARY DESIGN Α PH. 8814 6191 FAX 8814 5301 MOB. 0425 270 333 ARCHITECT / PROJECT MANAGER APPROVED EMAIL andrew@camconsulting.com.au **KAE CHAN** C21187 -SW01 REVISION AMENDMENT ISSUE DATE ISSUE ISSUED TO ISSUE DATE A.C. STRUCTURAL & CIVIL ENGINEERS

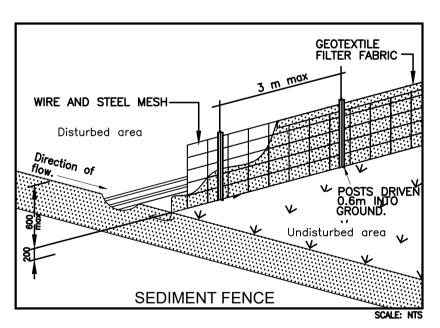
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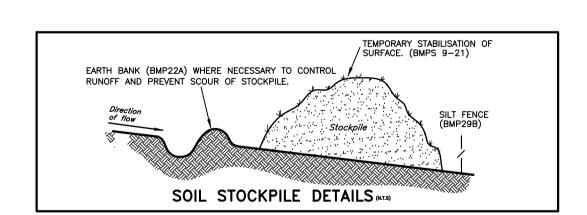
SOIL EROSION CONTROL INSTRUCTIONS

- 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 THÉSE 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 LATER.
- 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.



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В	ISSUED FOR DA APPROVAL	03/12/2021				ĺ
Α	PRELIMINARY DESIGN	21/09/2021				
REVISION	AMENDMENT	ISSUE DATE	ISSUE	ISSUED TO	ISSUE DATE	



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

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 DEVELOPMENT
LOT 8, 10 FERN CREEK ROAD,
WORRIEWOOD, NSW
CLIENT

SOIL MANAGEMENT PLAN

DRAFTED

M.W.

1101111211002,11011		
CLIENT SKYCORP	SCALES A1 - 1:100	DESIGNED A.C.
ARCHITECT / PROJECT MANAGER	DRAWING NO.	APPROVED
KAE CHAN	C21187 -SW02	A.C.