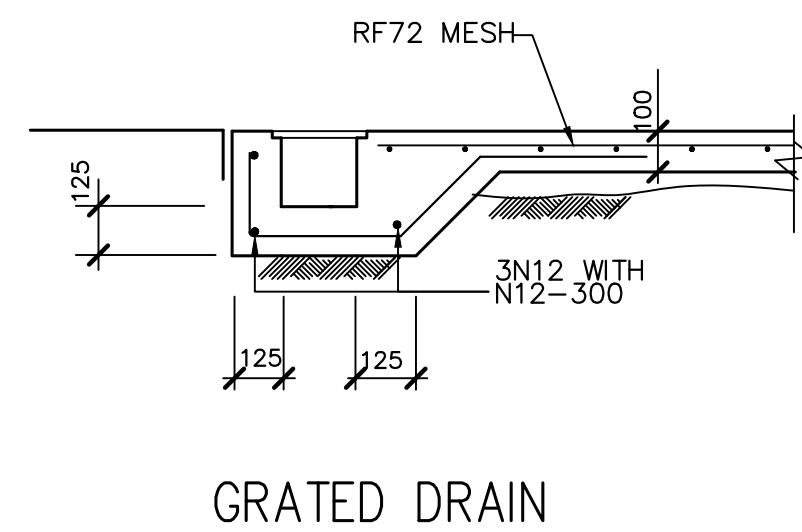




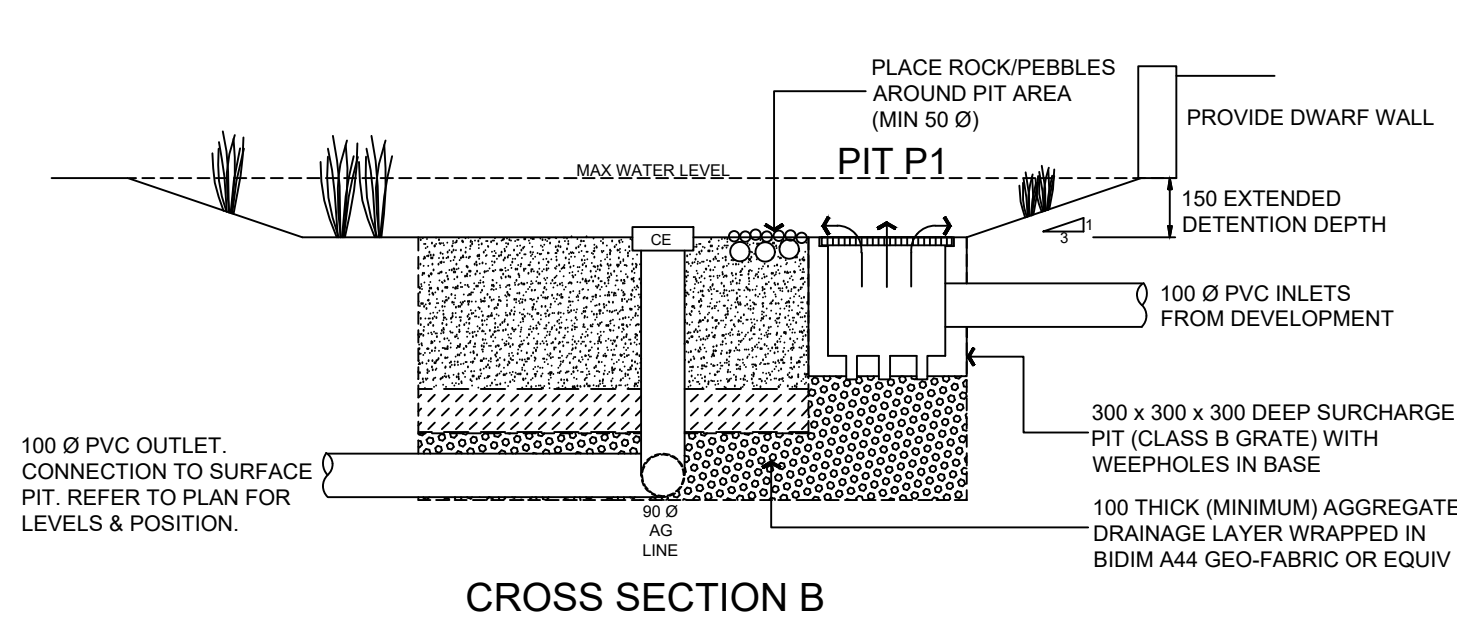
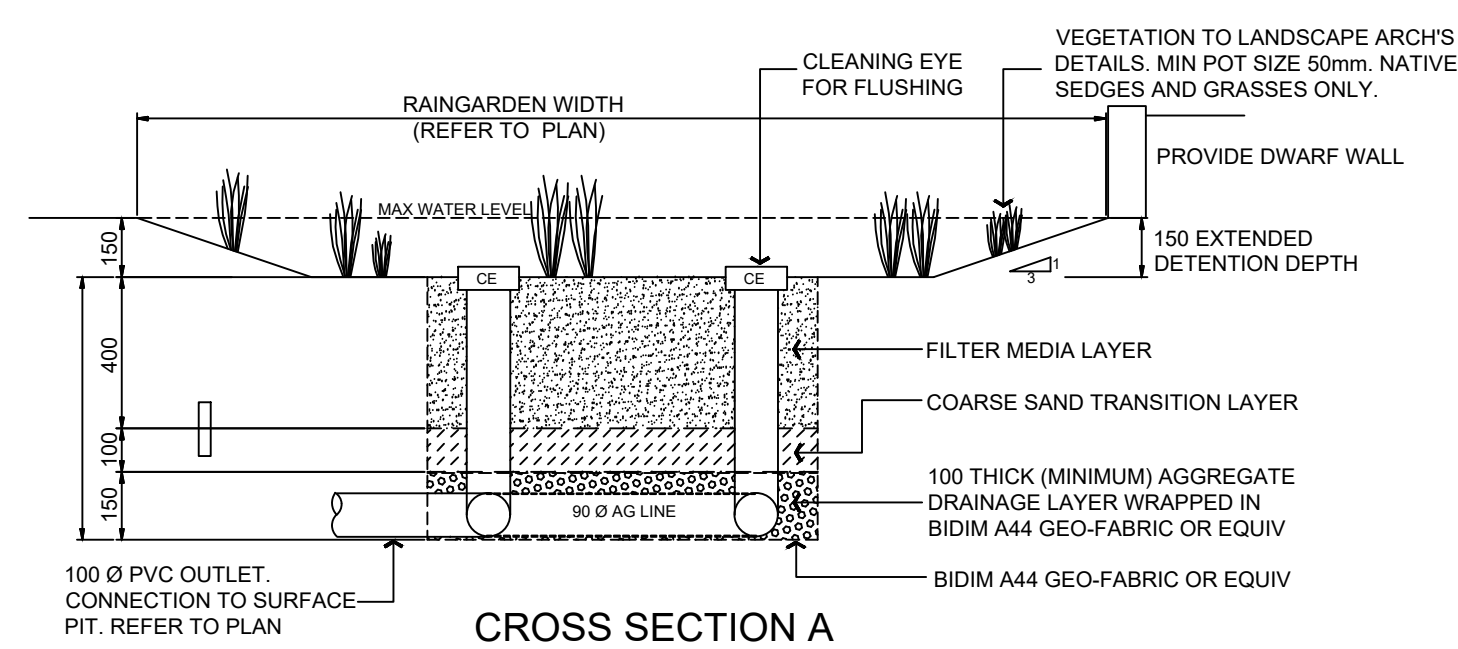
**NOTE: BASIX REQUIREMENTS**  
 MINIMUM RAINWATER TANK CAPACITY = 2000L  
 PROVIDED RAINWATER TANK CAPACITY = 3000L  
 MINIMUM COLLECTED ROOF RUNOFF = 110sqm  
 PROVIDED COLLECTED ROOF RUNOFF = 115sqm

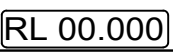

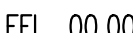
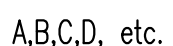

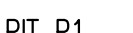





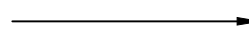
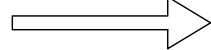



RAIN GARDEN:

PROVIDED RAIN GARDEN AREA: 1.21m2



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	
	NEW REDUCED LEVEL
	GROUND FLOOR LEVEL
	FINISH FLOOR LEVEL
	REFER TO PIPE SCHEDULE
	PIPE LABEL
	SURFACE INLET PIT
	DOWNSPIPE
	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
A	100	PVC	1%
B	100 OVERFLOW	PVC	1%
C	100 CHARGED	PVC	—
DP	100	PVC	—

1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, STRUCTURAL DRAWINGS AND THE SPECIFICATION.
2. PRIOR TO COMMENCEMENT OF WORKS THE CONTRACTOR SHALL 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 CONTRACTORS EXPENSE.
3. TRAFFIC MANAGEMENT MEASURES HAVE TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION, ALL IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS ALONG THE FOOTPATH.
4. THE CONTRACTOR SHALL EFFECT TEMPORARY DRAINAGE 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, AND RETAINING WALL TYPES AND LOCATIONS.
6. REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR DETAILS AND EXTENT OF ALL LANDSCAPED AREAS.
7. ALL SUD PIPES ARE UPVC AT 1.0% MINIMUM GRADE (UNO).
8. SUD PITS CAN BE PRE-CAST SIZED AS FOLLOWS:  
450mm SQ. UP TO 600mm DEEP  
600mm SQ. UP TO 1000mm DEEP
9. ALL PITS LOCATED IN TRAFFICABLE AREAS, (IE, DRIVEWAYS) TO HAVE MEDIUM DUTY GRATED COVERS SUITABLE FOR WITHSTANDING LOADS ASSOCIATED WITH SMALL TRUCKS.
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 WORKS.
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 FINAL COMPLETION OF WORKS.

**DANGER**

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  
"www.dialbeforeyoudig.com.au"

## RAIN GARDEN DETAILS

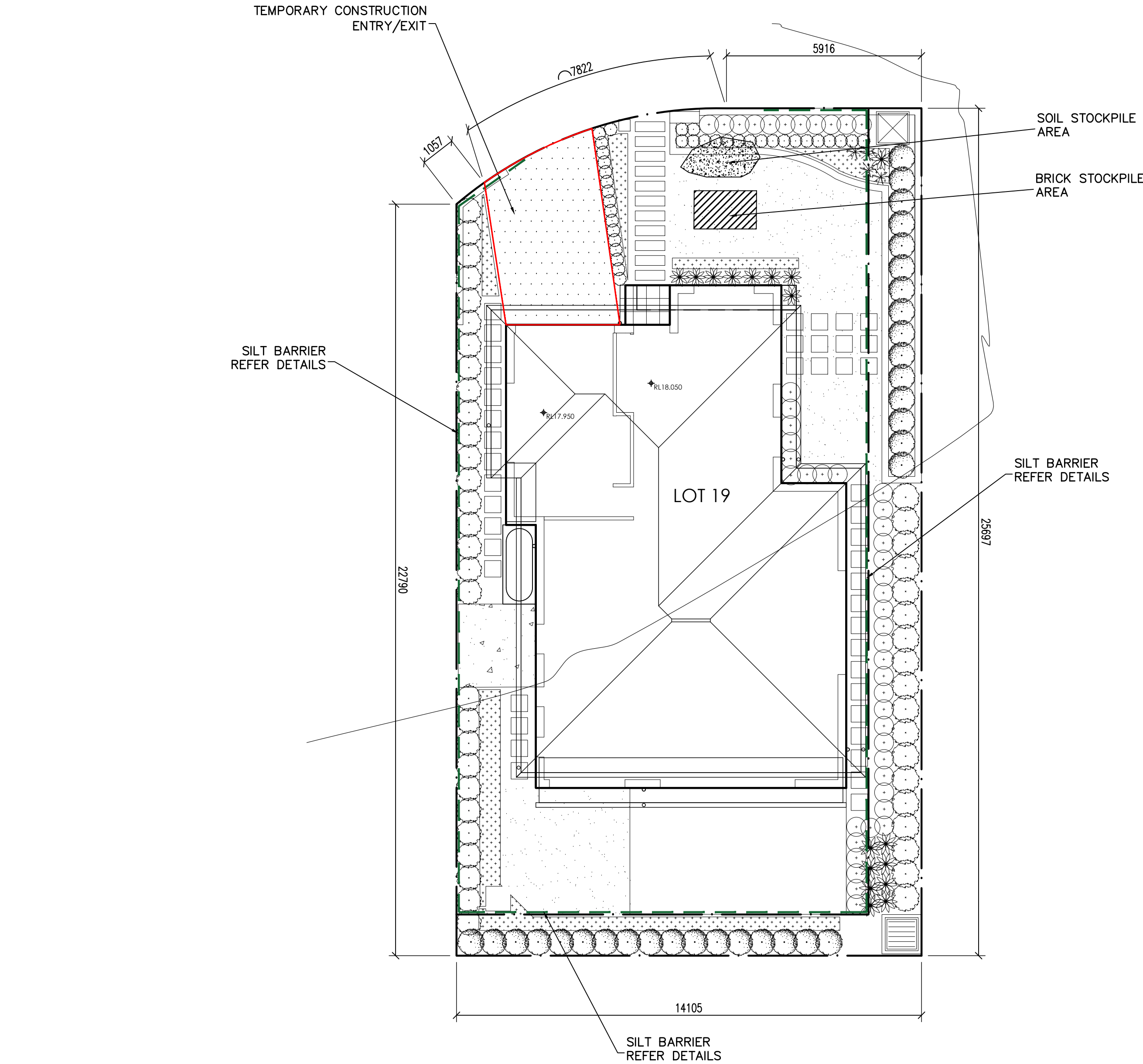
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C	ISSUED FOR DA APPROVAL	04/11/2021		
B	ISSUED FOR DA APPROVAL	26/10/2021		
A	PRELIMINARY DESIGN	21/09/2021		
REVISION	AMENDMENT	ISSUE DATE	ISSUE	ISSUED TO
				ISSUE DATE



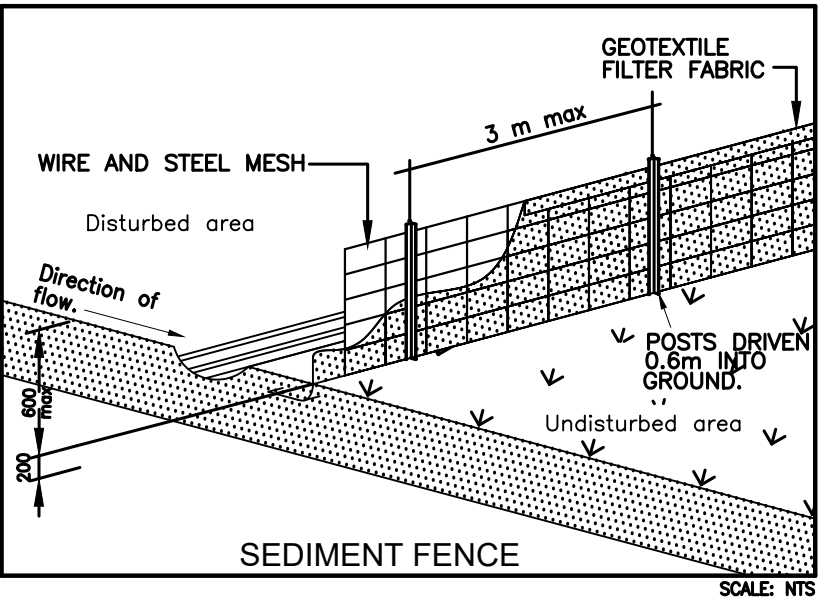
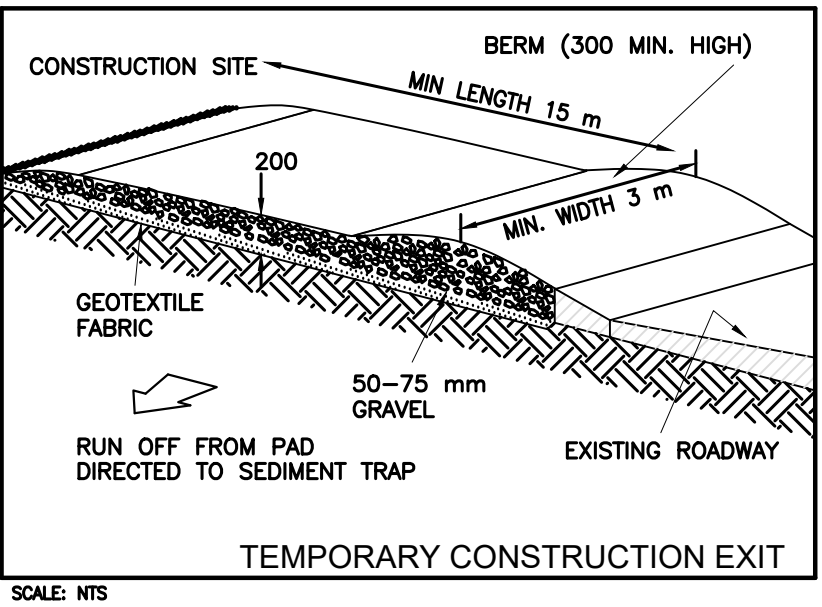
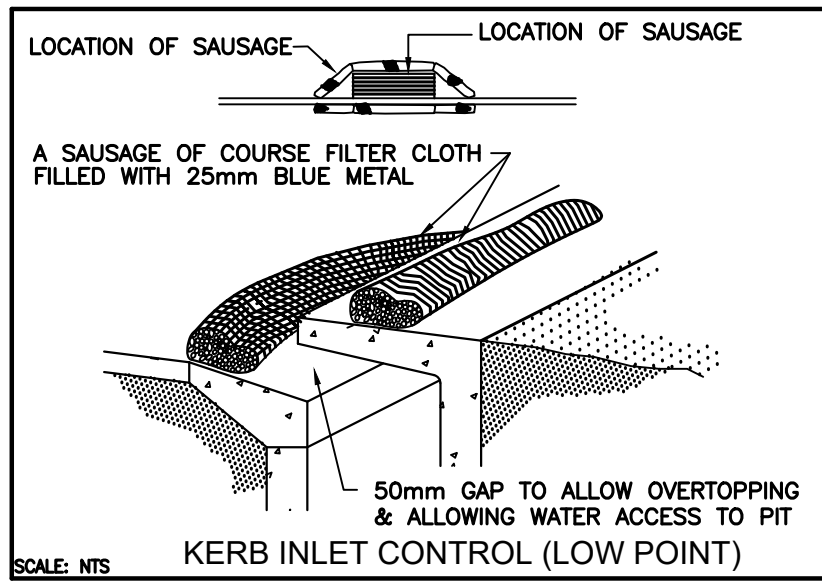
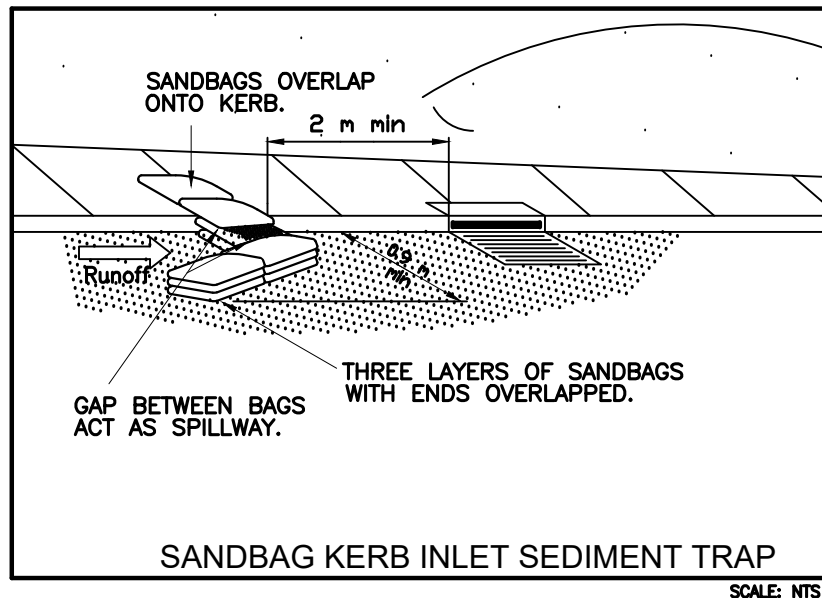
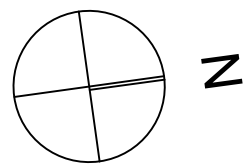
PROJECT	PROPOSED DEVELOPMENT LOT 19, 10 FERN CREEK ROAD, WORRIEWOOD, NSW
CLIENT	SKYCORP
ARCHITECT / PROJECT MANAGER	KAE CHAN

DRAWING TITLE			
DRAINAGE LAYOUT PLAN			
SCALES <b>A1 = 1:100</b>		DESIGNED <b>A.C.</b>	DRAFTED <b>M.W.</b>
DRAWING NO. <b>C21187 -SW01</b>		APPROVED <b>A.C.</b>	REVISION <b>D</b>





**SM SOIL MANAGEMENT PLAN**  
SCALE : 1:100

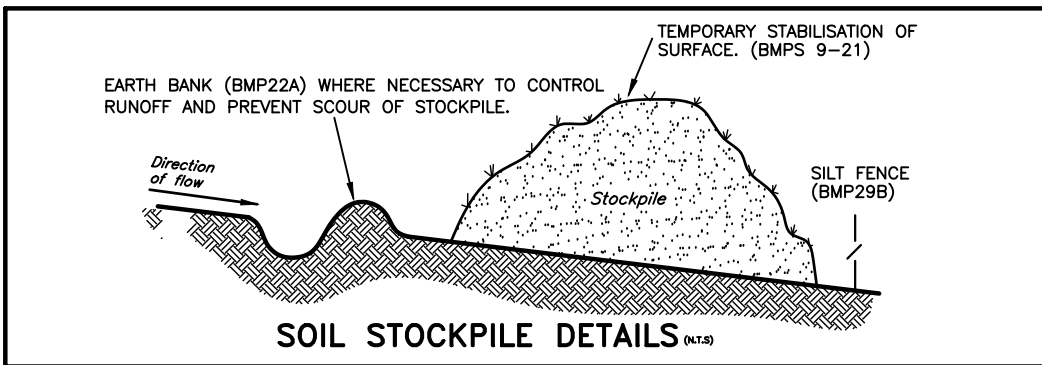


### SOIL EROSION CONTROL INSTRUCTIONS

- EARTH BATTERS WILL BE CONSTRUCTED WITH AS LOW AS A GRADIENT AS PRACTICABLE BUT NO STEEPER, UNLESS OTHERWISE NOTED, 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 GROUND COVER C-FACTOR OF 0.05 (70% GROUND COVER) WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION. FLOW VELOCITIES ARE TO BE LIMITED TO THOSE SHOWN IN TABLE 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-FACTOR 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
- REVEGETATION SHOULD BE AIMED AT RE-ESTABLISHING NATURAL SPECIES. NATURAL SURFACE SOILS SHOULD BE REPLACED AND NON-PERSISTANT ANNUAL COVER CROPS SHOULD 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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A	PRELIMINARY DESIGN	21/09/2021			



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NORWEST BUSINESS PARK,  
BELLA VISTA N.S.W. 2153  
ALL CORRESPONDENCE TO:  
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PH. 8814 6191 FAX 8814 5301 MOB. 0425 270 333  
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PROJECT  
PROPOSED DEVELOPMENT  
LOT 19, 10 FERN CREEK ROAD,  
WORRIEWOOD, NSW  
CLIENT  
SKYCORP  
ARCHITECT / PROJECT MANAGER  
KAE CHAN

DRAWING TITLE  
SOIL MANAGEMENT PLAN

SCALES	DESIGNED	DRAFTED
A1 - 1:100	A.C.	M.W.
DRAWING NO.	APPROVED	REVISION
C21187 -SW02	A.C.	D