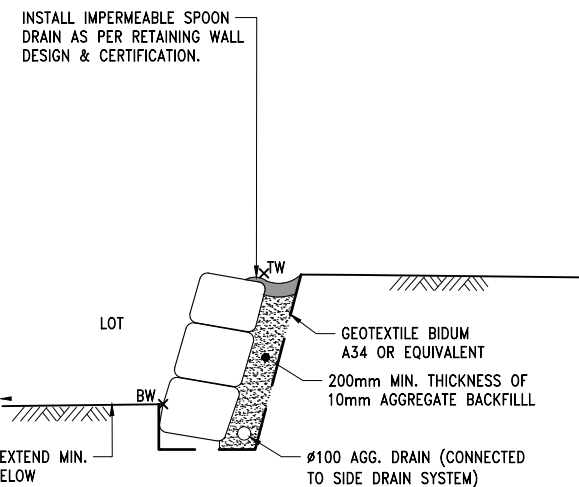




SCALE 1:25m

NOTE:
CONTRACTOR RESPONSIBLE FOR ROCK WALL DESIGN, SUPERVISION
AND CERTIFICATION BY A SUITABLY QUALIFIED RPEQ STRUCTURAL
ENGINEER TO THE SATISFACTION OF SUPERINTENDENT.

BASIN DETAILS
SURFACE LEVEL = RL 35.60
FILTER MEDIA AREA = 260m²
MIN TOP OF BUND LEVEL = RL 36.60
WEIR LEVEL = RL 36.10

1. THE CONTRACTOR IS TO REFER TO, AND MAKE THEMSELVES FULLY AWARE OF THE REQUIREMENTS OF, THE WATER BY DESIGN CONSTRUCTION AND ESTABLISHMENT GUIDELINES, WITH PARTICULAR ATTENTION TO HOLD POINTS FOR SUPERINTENDENT INSPECTION AND SIGN-OFF.
2. EACH BIO-RETENTION MEDIA LAYER IS TO BE SURVEYED AND WITNESSED BY CONSULTANT ENGINEER PRIOR TO INSTALLATION OF SUBSEQUENT LAYER.
3. ALL BASIN WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SITE BASED STORMWATER MANAGEMENT PLAN.
4. EARTHWORKS TO BE INSPECTED, SURVEYED AND AS CONSTRUCTED MADE AVAILABLE TO CONSULTANT ENGINEER FOR APPROVAL PRIOR TO INSTALLATION OF LINERS AND/OR UNDER-DRAINAGE.
5. UNDER-DRAINAGE TO BE INSPECTED BY CONSULTANT ENGINEER PRIOR TO PLACEMENT OF BIO-RETENTION MEDIA.
6. DE-WATERING SHALL BE CARRIED OUT BY THE CONTRACTOR WHERE NECESSARY, AND TO THE SATISFACTION OF THE SUPERINTENDENT, TO ENABLE CONSTRUCTION OF THE BASIN.
7. PRIOR TO THE ON MAINTENANCE INSPECTION, THE CONTRACTOR SHALL, TO THE SATISFACTION OF THE SUPERINTENDENT;
 - 7.1. FLUSH ALL UNDER-DRAINAGE.
 - 7.2. REMOVE AND DISPOSE OF OFF-SITE ALL SEDIMENT, DEBRIS, SILT, AND RUBBISH FROM THE BIO-RETENTION BASIN SURFACE AND COARSE SEDIMENT FOREBAY.
- 7.3. UNDERTAKE IN-SITU INFILTRATION TESTS IN AT LEAST THREE (3) LOCATIONS WITHIN THE BIO-RETENTION BASIN (SUITABLY LOCATED TO BE REPRESENTATIVE OF THE BASIN AS A WHOLE) DEMONSTRATING HYDRAULIC CONDUCTIVITY CONFORMANCE AND PROVIDE TO SUPERINTENDENT FOR REVIEW AND ACCEPTANCE.
- 7.4. INSTALL PROTECTIVE MEASURES TO THE BIO-RETENTION BASIN SURFACE FOR THE DURATION OF THE MAINTENANCE PERIOD COMPRISING:
 - BIDIM A34 GEOFABRIC OR APPROVED EQUIVALENT
 - 75mm THICK TOPSOIL
 - TURF LAYER
8. AT OFF MAINTENANCE, THE CONTRACTOR SHALL, TO THE SATISFACTION OF THE SUPERINTENDENT;
 - 8.1. UNDERTAKE IN-SITU INFILTRATION TESTS IN AT LEAST THREE (3) LOCATIONS WITHIN THE BIO-RETENTION BASIN (SUITABLY LOCATED TO BE REPRESENTATIVE OF THE BASIN AS A WHOLE) DEMONSTRATING HYDRAULIC CONDUCTIVITY CONFORMANCE AND PROVIDE TO SUPERINTENDENT FOR REVIEW AND ACCEPTANCE.
 - 8.2. REMOVE TURF LAYER, TOPSOIL AND GEOFABRIC AND PLANT OUT BASIN IN ACCORDANCE WITH LANDSCAPED PLANS, UNLESS DIRECTED OTHERWISE, IN WRITING, BY THE SUPERINTENDENT.

UNDER QUEENSLAND LEGISLATION, FIRE ANTS ARE A NOTIFIABLE PEST AND SUSPECTED SIGHTING MUST BE REPORTED TO BIOSECURITY QUEENSLAND. MOVEMENT OF FIRE ANTS IS PROHIBITED UNLESS APPROVED OTHERWISE BY THE DEPARTMENT OF PRIMARY INDUSTRIES. THE CONTRACTOR SHALL ACQUIRE THE NECESSARY PERMITS TO COMPLETE THE WORKS.

LOCAL AUTHORITY: ECONOMIC DEVELOPMENT QUEENSLAND
EDQ FILE REF NO: DEV2014/637
RP DESCRIPTION: LOT 908 RP819216
PARISH/COUNTY: MACLEAN/UNDULLAH
ORIGIN: PM107142 (RL39.078)
HORIZONTAL DATUM: MGA

5 0 5 10m
1 : 250 (FULL SIZE A1)



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STATUS

INFORMATION
NOT FOR CONSTRUCTION

DESIGNED	DRAWN	APPROVED	DATE	SCALE @ A1	SHEET
TH	SW	Jha	06.04.18	1:250	1 of 1
PROJECT No		DRAWING No			REV
118309		C1-S7C-CIL-210			A