

Appendix C

FACILITY ILLUSTRATIONS

Generic Intervention Structures

Typical designs of the most common interventions used for wetland rehabilitation purposes have been included here. Note that these drawings are not to scale and must be adapted during the design stage to suit site conditions and meet rehabilitation objectives. Detailed designs of the proposed interventions for the authorised Wetland Projects, as well as the proposed locations for these interventions, will be provided in the relevant annual Rehabilitation Plans.



WORKING FOR WETLANDS

Guideline on Generic Intervention Structures for Wetland Rehabilitation Purposes



SOFT OPTIONS

DRAWING No. SHEET No. DRAWING DESCRIPTION

| | | |
|---------------|--------------|-------------------|
| 109664-STD-01 | Sheet 1 of 6 | LIST OF DETAILS |
| 109664-STD-01 | Sheet 2 of 6 | ECOLOGS |
| 109664-STD-01 | Sheet 3 of 6 | ROCK PACKS |
| 109664-STD-01 | Sheet 4 of 6 | ROAD STRIPS |
| 109664-STD-01 | Sheet 5 of 6 | BERMS |
| 109664-STD-01 | Sheet 6 of 6 | MACMAT / MACMAT-R |

NOTES

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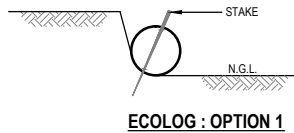
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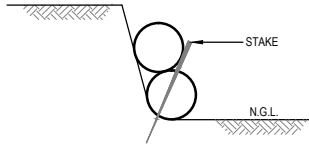
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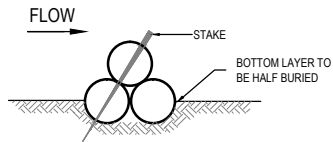
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| | | | | | DRAWN | | APPROVED | DESCRIPTION | LIST OF DETAILS |
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| | | | | | DESIGNED | | DATE | | 1 OF 6 |
| | | | | | D.TOWNSHEND | | | | REV |
| | | | | | VERIFIED | | | | A |
| | | | | | F.NAGDI | | | | |



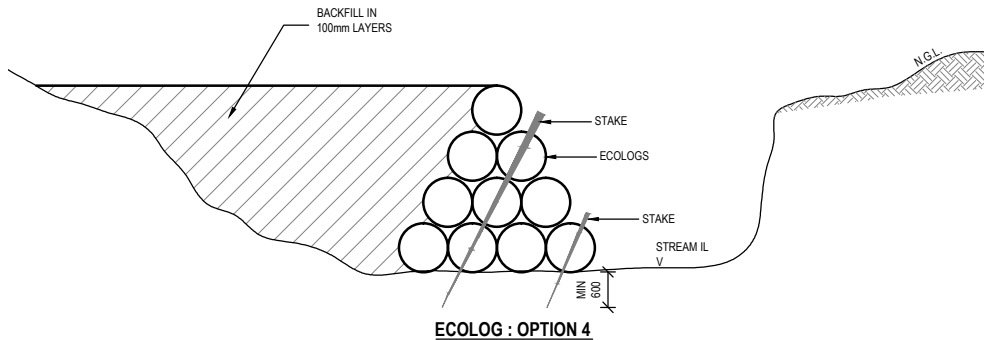
ECOLOG : OPTION 1



ECOLOG : OPTION 2



ECOLOG : OPTION 3



ECOLOG : OPTION 4

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ECOLOGS:

- WOODEN PEGS USED TO ANCHOR ECOLOGS ARE TO BE NO LESS THAN 40mm DIA AND 1000mm IN LENGTH.
- PEGS SHOULD PROTRUDE NO LESS THAN 60mm FROM THE SOIL @ 1000 cc.

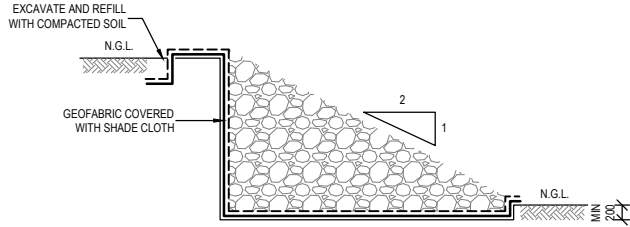
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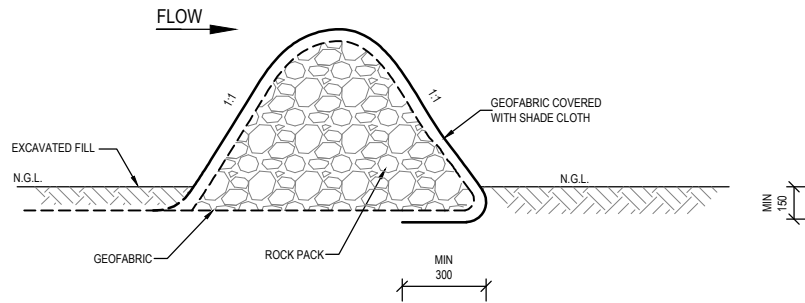
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| DRAWN | |
| A.MNYAKA | |
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| D.TOWNSHEND | |
| VERIFIED | |
| F.NAGDI | |

| PRELIMINARY | APPROVED |
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| NOT FOR CONSTRUCTION | ENGINEER DATE |

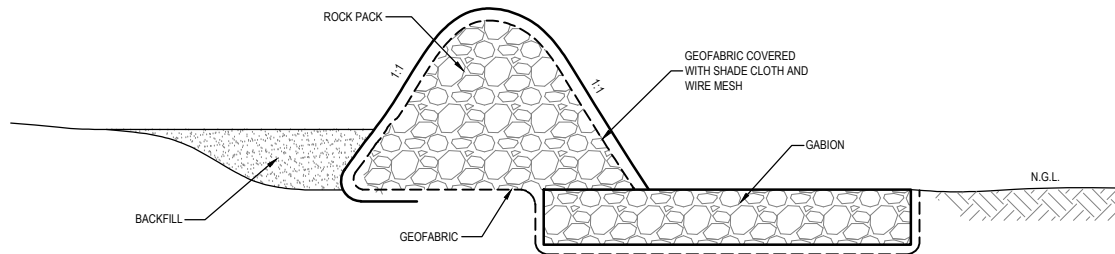
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| WORKING FOR WETLANDS | STANDARTD DETAILS | ECOLOGS | 109664 - STD-01 | A |
| | | | 2 OF 6 | |



ROCK PACK : OPTION 1



ROCK PACK : OPTION 2



ROCK PACK : OPTION 3

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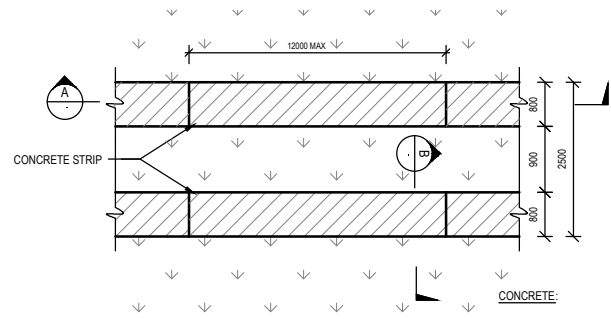
- ROCK PACKS:**
- 100mm -200mm STONE TO BE USED IN ROCK PACKS
 - STONE MUST BE NON-FRIABLE AND INSOLUBLE, e.g. GRANITE, BASALT, LIMESTONE OR SANDSTONE
 - ROCK PACKS PLACED ACROSS A STREAM TO BE TIED MIN 1m INTO EACH BANK.

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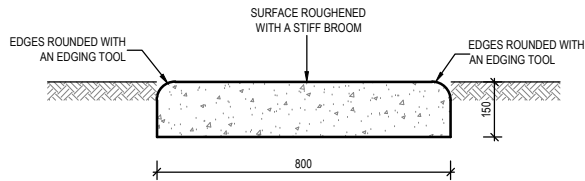
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| PRELIMINARY | DATE |
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| ENGINEER | |

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| | | | 3 OF 6 | |

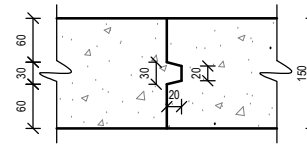


PLAN OF CONCRETE STRIP

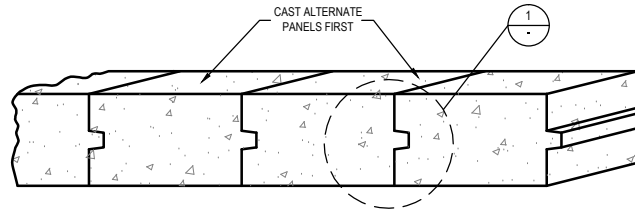


SECTION B (CONCRETE STRIP)
1:20

- CONCRETE:**
- ALL BUTTRESS WEIR STRUCTURES TO USE MIN 20MPa CONCRETE MIX:
 1 BAG CEMENT
 95L SAND
 100L STONE
 27L WATER



DETAIL 1 (SCHEMATIC VIEW OF JOINT BETWEEN PANELS)
1:10



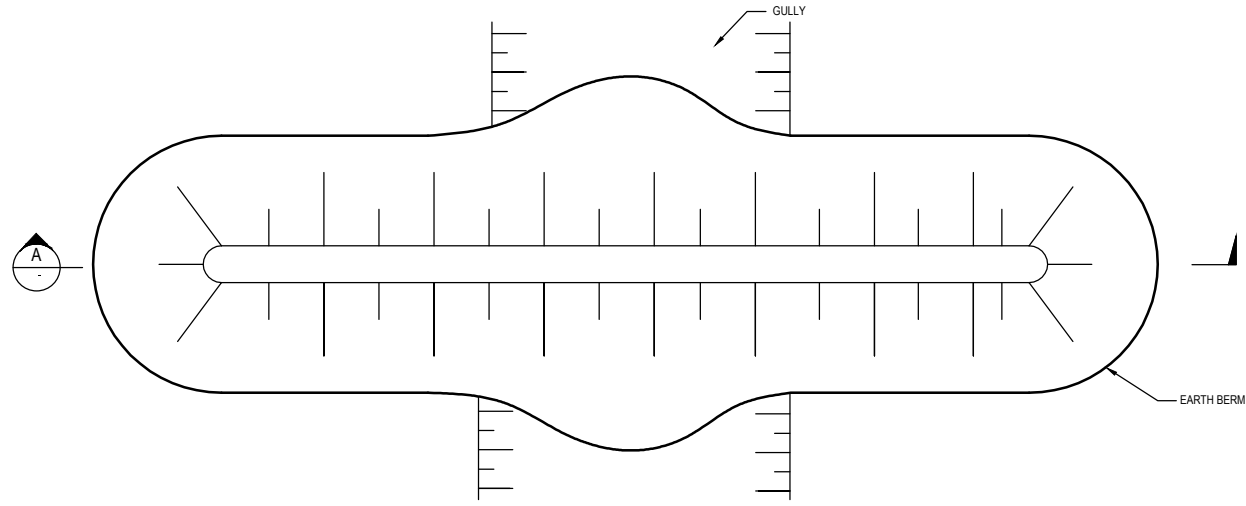
SECTION A (SCHEMATIC VIEW OF JOINT BETWEEN PANELS)
1:10

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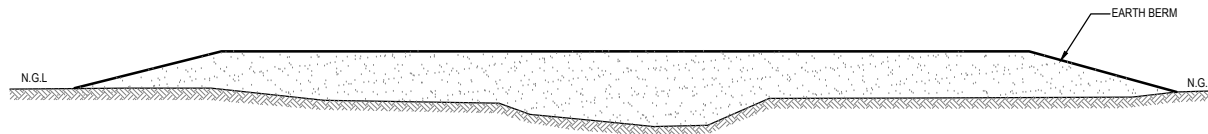
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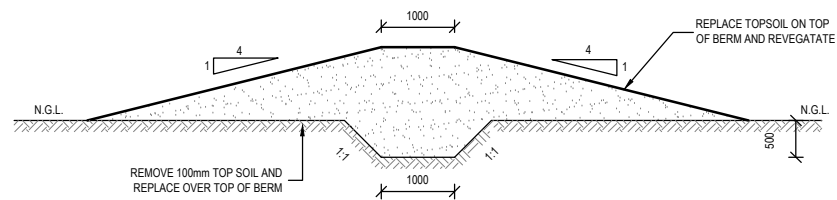
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| | | | | | A.MNYAKA | | ENGINEER | DESCRIPTION | ROAD STRIPS |
| | | | | | DESIGNED | | DATE | DRAWING No. | 109664 - STD-01 |
| | | | | | D.TOWNSHEND | | | | 4 OF 6 |
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TYPICAL PLAN VIEW OF BERM



LONG SECTION THROUGH BERM



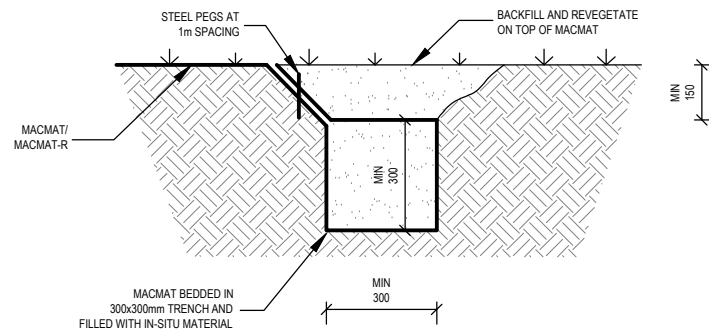
TYPICAL CROSS SECTION THROUGH BERM

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| | | | | | A.MNYAKA | | ENGINEER | DRAWING No. | 109664 - STD-01 |
| | | | | | DESIGNED | | DATE | | 5 OF 6 |
| | | | | | D.TOWNSHEND | | | | REV |
| | | | | | VERIFIED | | | | A |
| | | | | | F.NAGDI | | | | |



MACMAT / MACMAT-R EDGE DETAIL
1:25

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MACMAT / MACMAT-R

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| | | | | | D.TOWNSHEND | | | | 6 OF 6 |
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| | | | | | F.NAGDI | | | | A |



HARD OPTIONS

