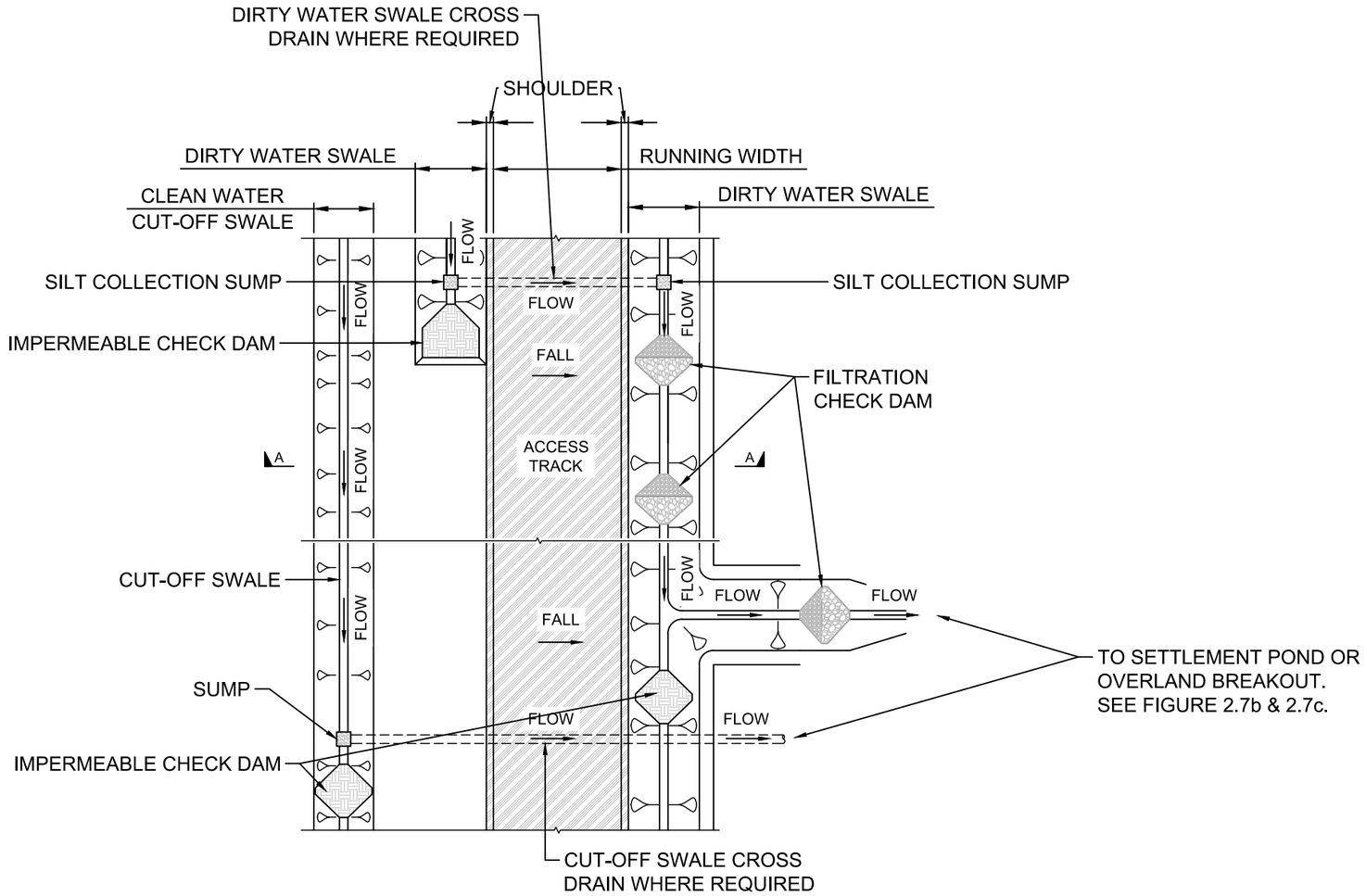
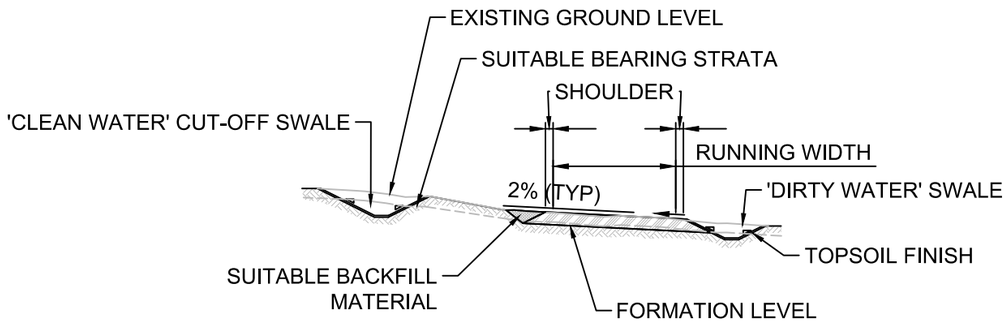



TYPICAL EXCAVATED TRACK SURFACE WATER DRAINAGE PLAN

SCALE 1:200




SECTION A-A

TYPICAL EXCAVATED TRACK DRAINAGE SECTION

SCALE 1:200

# BLOCH WIND FARM

## FIGURE 2.7a

## TYPICAL DRAINAGE DETAILS

**NOTES:**

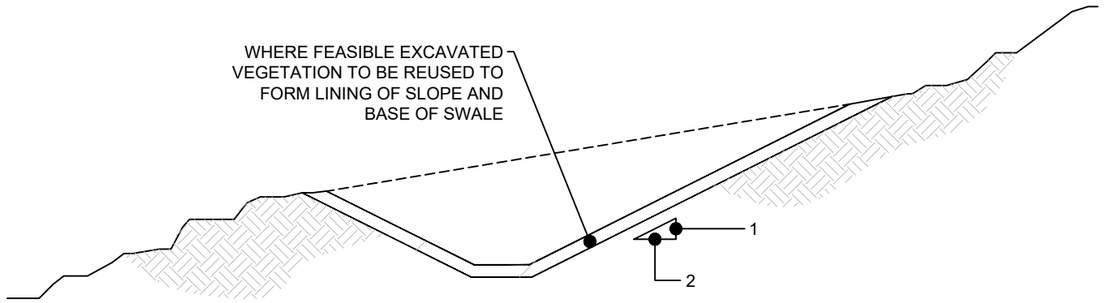
1. SUDS SYSTEM TO BE CONSTRUCTED PRIOR TO, OR AT THE SAME TIME AS THE ACCESS TRACK & HARDSTANDS. INTERIM MEASURES SUCH AS THE PLACEMENT OF SILT FENCES TO BE USED AROUND WATERCOURSES AND RETAINED IN PLACE UNTIL SUDS ARE ESTABLISHED AND PROVIDING SUFFICIENT SILT REMOVAL.
2. THE LEVEL OF SILT IN RUNOFF DURING CONSTRUCTION IS TO BE MONITORED VISUALLY AND EXCESSIVE SILT LEVELS IN ANY AREA TO BE TEMPORARILY MANAGED BY PLACING SILT FENCES AT THE PROBLEM AREAS.
3. WHERE RESEEDING IS REQUIRED, NATIVE SPECIES SEED MIX SHALL BE USED BASED UPON THE SURROUNDING HABITAT. THE PLANTING SHALL BE CAPABLE OF RESISTING DROUGHT CONDITIONS.
4. AREAS STRIPPED OF VEGETATION SHOULD BE KEPT TO A MINIMUM.
5. CLEAN STONE FLOW CONTROL CHECK DAMS TO BE WELL GRADED STONE. AGGREGATE SIZE FOR STONE CHECK DAMS TO BE TYPICALLY 5/40mm CLEAN STONE. ON SLOPING SECTIONS OF THE ACCESS TRACK, 5/40mm CHECK DAMS TO BE PROTECTED FROM WASHING AWAY THROUGH THE PLACEMENT OF 100/150mm STONE ON THE DOWNHILL FACE OF THE CHECK DAM.
6. SILT LEVELS AT CHECK DAMS AND POND FOREBAYS TO BE VISUALLY INSPECTED AS PART OF AN ONGOING MAINTENANCE PROGRAMME DURING THE CONSTRUCTION PHASE. WHERE CHECK DAMS BECOME CLOGGED WITH SILT OR VEGETATION, STONE CHECK DAM TO BE REMOVED AND DISPOSED OF APPROPRIATELY.
7. WHERE ACCESS TRACKS ARE OF FLOATED CONSTRUCTION (OVER PEAT), TRACKSIDE DIRTY WATER SWALES WILL NOT BE PROVIDED.
8. THE REQUIREMENT FOR DIRTY WATER SWALES BOTH SIDES OF TRACK, AND CUT-OFF SWALES WILL VARY TO SUIT THE PROPOSED ACCESS TRACK ALIGNMENT AND EXISTING TOPOGRAPHY.
9. WHERE EROSION IS IDENTIFIED IN THE CUT-OFF SWALES, CHECK DAMS SHOULD BE INSTALLED SIMILAR TO THE TRACKSIDE SWALES WHERE NECESSARY.
10. SEE FIGURES 2.7B, 2.7C & 2.7D FOR FURTHER DETAILS.
11. IMPERMEABLE CHECK DAM TO BE PLACED IMMEDIATELY DOWNSTREAM OF DISCHARGE LOCATIONS
12. SUM TO BE FORMED AT PIPE INLET EXPOSED PIPE BEDDING AROUND PIPE TO BE SEALED WITH COMPACTED PEAT OR SIMILAR TO PREVENT SCOUR/WAHSOUT.

| LAYOUT DWG | T-LAYOUT NO. |
|---|---|
| N/A | N/A |

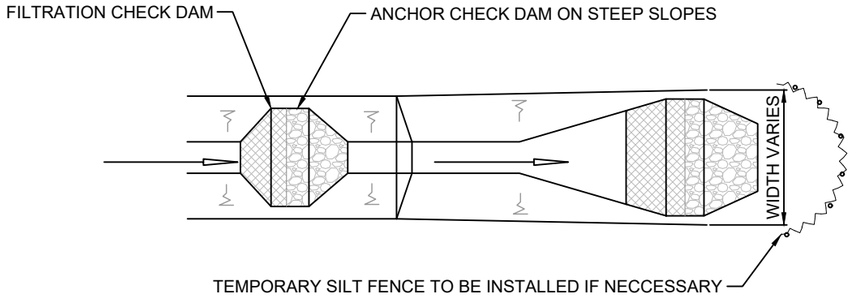
| DRAWING NUMBER | REV |
|---|---|
| 04097-RES-DRN-DR-CE-001 | 03 |

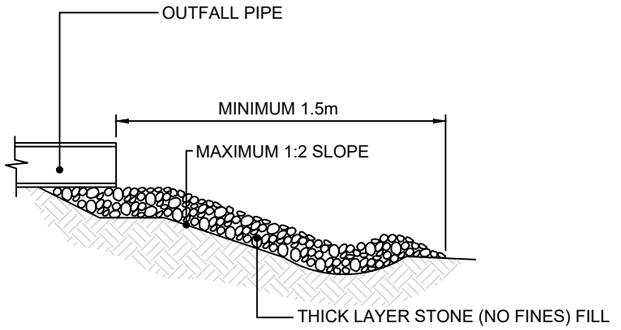
**SCALE - 1:200 @ A3**

**ENVIRONMENTAL IMPACT ASSESSMENT REPORT 2022**

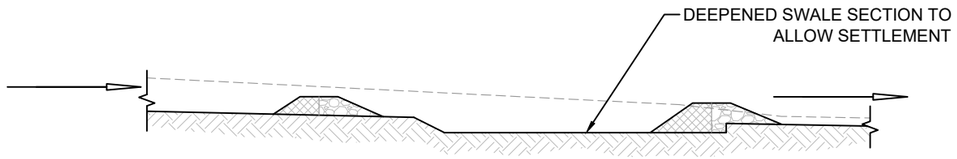



TYPICAL SWALE - CROSS SECTION
SCALE - 1:50

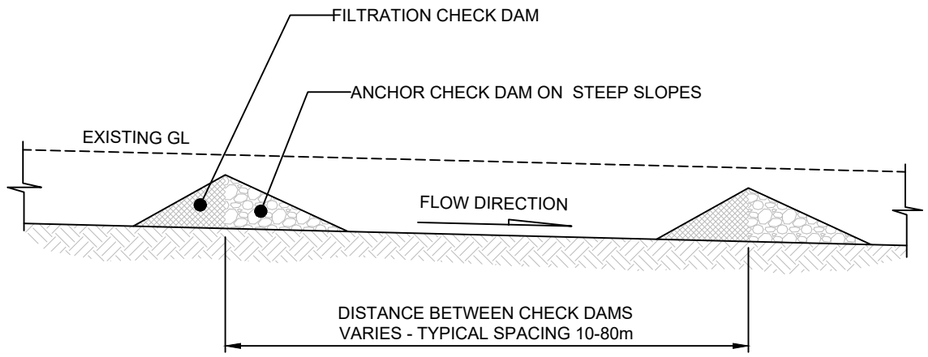



TYPICAL STONE DETAIL
SCALE - 1:50




TYPICAL OVERLAND BREAKOUT - LONG SECTION
SCALE - 1:100




TYPICAL TRACKSIDE SWALE - LONG SECTION
SCALE - 1:50

# BLOCH WIND FARM

## FIGURE 2.7b

## TYPICAL DRAINAGE DETAILS

**NOTES:**

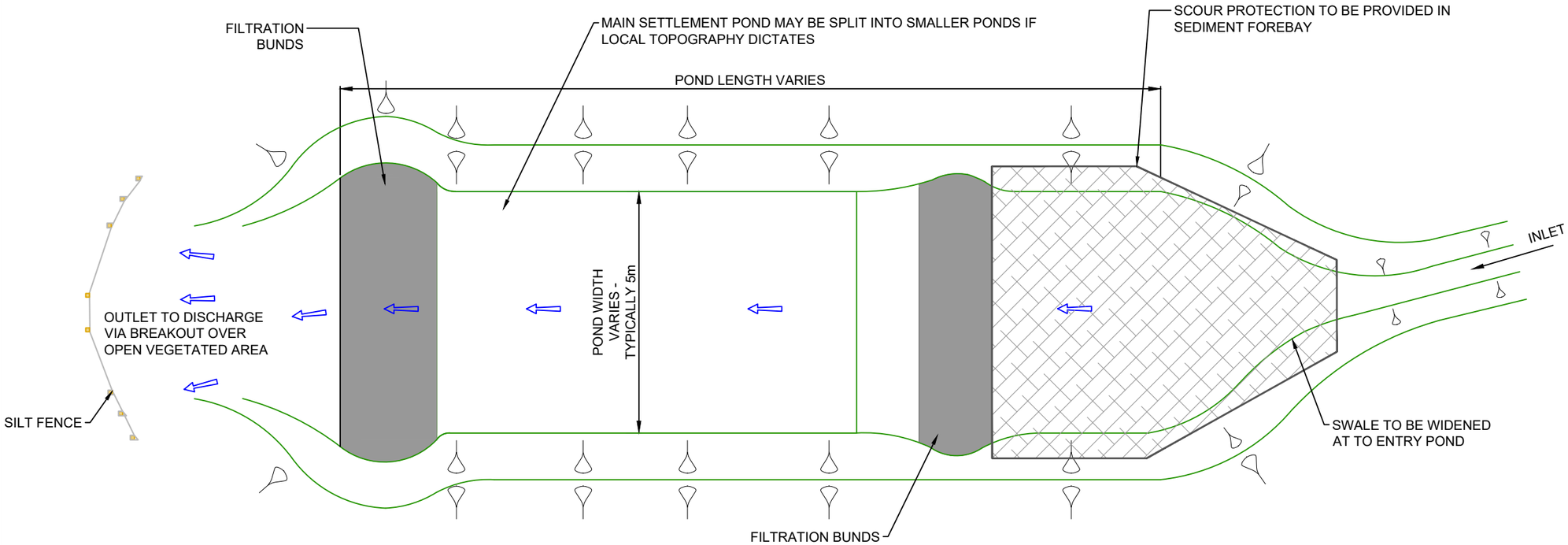
1. SUDS SYSTEM TO BE CONSTRUCTED PRIOR TO, OR AT THE SAME TIME AS THE ACCESS TRACK & HARDSTANDS. INTERIM MEASURES SUCH AS THE PLACEMENT OF SILT FENCES TO BE USED AROUND WATERCOURSES AND RETAINED IN PLACE UNTIL SUDS ARE ESTABLISHED AND PROVIDING SUFFICIENT SILT REMOVAL.
2. THE LEVEL OF SILT IN RUNOFF DURING CONSTRUCTION IS TO BE MONITORED VISUALLY AND EXCESSIVE SILT LEVELS IN ANY AREA TO BE TEMPORARILY MANAGED BY PLACING SILT FENCES AT THE PROBLEM AREAS.
3. WHERE RESEEDING IS REQUIRED, NATIVE SPECIES SEED MIX SHALL BE USED BASED UPON THE SURROUNDING HABITAT. THE PLANTING SHALL BE CAPABLE OF RESISTING DROUGHT CONDITIONS.
4. AREAS STRIPPED OF VEGETATION SHOULD BE KEPT TO A MINIMUM.
5. CLEAN STONE FLOW CONTROL CHECK DAMS TO BE WELL GRADED STONE. AGGREGATE SIZE FOR STONE CHECK DAMS TO BE TYPICALLY 5/40mm CLEAN STONE. ON SLOPING SECTIONS OF THE ACCESS TRACK, 5/40mm CHECK DAMS TO BE PROTECTED FROM WASHING AWAY THROUGH THE PLACEMENT OF 100/150mm STONE ON THE DOWNHILL FACE OF THE CHECK DAM.
6. SILT LEVELS AT CHECK DAMS AND POND FOREBAYS TO BE VISUALLY INSPECTED AS PART OF AN ONGOING MAINTENANCE PROGRAMME DURING THE CONSTRUCTION PHASE. WHERE CHECK DAMS BECOME CLOGGED WITH SILT OR VEGETATION, STONE CHECK DAM TO BE REMOVED AND DISPOSED OF APPROPRIATELY.
7. WHERE ACCESS TRACKS ARE OF FLOATED CONSTRUCTION (OVER PEAT), TRACKSIDE DIRTY WATER SWALES WILL NOT BE PROVIDED.
8. THE REQUIREMENT FOR DIRTY WATER SWALES BOTH SIDES OF TRACK, AND CUT-OFF SWALES WILL VARY TO SUIT THE PROPOSED ACCESS TRACK ALIGNMENT AND EXISTING TOPOGRAPHY.
9. WHERE EROSION IS IDENTIFIED IN THE CUT-OFF SWALES, CHECK DAMS SHOULD BE INSTALLED SIMILAR TO THE TRACKSIDE SWALES WHERE NECESSARY.
10. TYPICAL FILTRATION CHECK DAM CONSIST OF 5-40MM CLEAN DRAINAGE STONE AT UPSTREAM SIDE. TOP OF DAM TO BE FINISHED LEVEL IN SWALE.

| LAYOUT DWG | T-LAYOUT NO. |
|---|---|
| N/A | N/A |

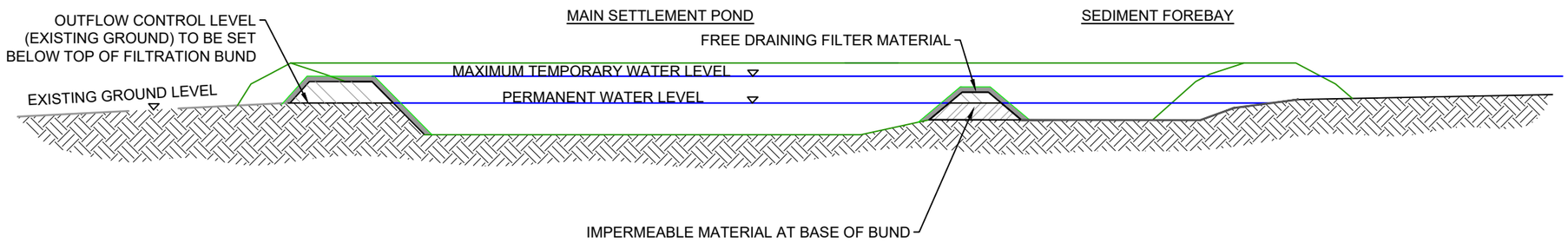
| DRAWING NUMBER | REV |
|---|---|
| 04097-RES-DRN-DR-CE-002 | 04 |

**SCALE - AS SHOWN @ A3**

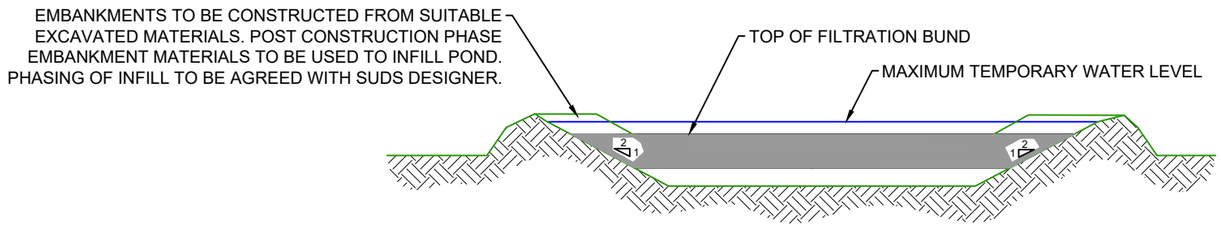
**ENVIRONMENTAL IMPACT ASSESSMENT REPORT 2022**




TYPICAL SETTLEMENT POND DETAIL - PLAN




TYPICAL SETTLEMENT POND DETAIL - LONG SECTION




TYPICAL SETTLEMENT POND DETAIL - CROSS SECTION

# BLOCH WIND FARM

## FIGURE 2.7c

## TYPICAL DRAINAGE DETAILS

**NOTES:**

1. SUDS SYSTEM TO BE CONSTRUCTED PRIOR TO, OR AT THE SAME TIME AS THE ACCESS ROAD & HARDSTANDS. INTERIM MEASURES SUCH AS THE PLACEMENT OF SILT FENCES TO BE USED AROUND WATERCOURSES AND RETAINED IN PLACE UNTIL SUDS ARE ESTABLISHED AND PROVIDING SUFFICIENT SILT REMOVAL.

2. SETTLEMENT PONDS TO BE CONSTRUCTED IN A MANNER WHEREBY THEY MAY BE EASILY INFILLED AT A LATER DATE (POST COMPLETION OF THE ACCESS ROAD CONSTRUCTION). ONLY SUITABLE MATERIALS EXCAVATED FROM THE POND TO BE USED TO FORM PART OF THE EMBANKMENT AROUND THE POND.

3. THE LEVEL OF SILT IN RUNOFF DURING CONSTRUCTION IS TO BE MONITORED VISUALLY AND EXCESSIVE SILT LEVELS IN ANY AREA TO BE TEMPORARILY MANAGED BY PLACING SILT FENCES AT THE PROBLEM AREAS.

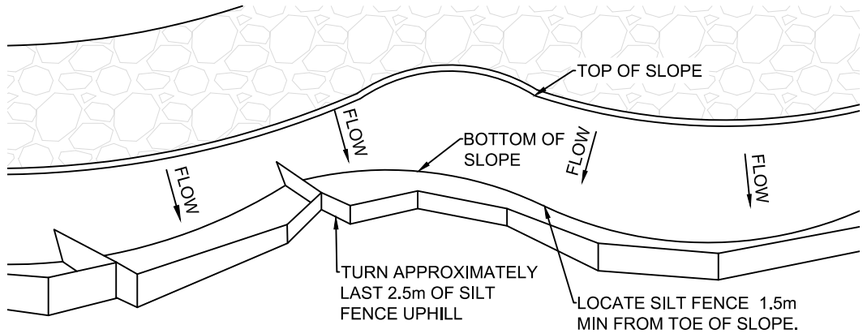
4. SILT LEVELS AT CHECK DAMS AND POND FOREBAYS TO BE VISUALLY INSPECTED AS PART OF AN ONGOING MAINTENANCE PROGRAMME DURING THE CONSTRUCTION PHASE. WHERE CHECK DAMS BECOME CLOGGED WITH SILT OR VEGETATION, STONE CHECK DAM TO BE REMOVED AND DISPOSED OF APPROPRIATELY.

| LAYOUT DWG | T-LAYOUT NO. |
|---|---|
| N/A | N/A |

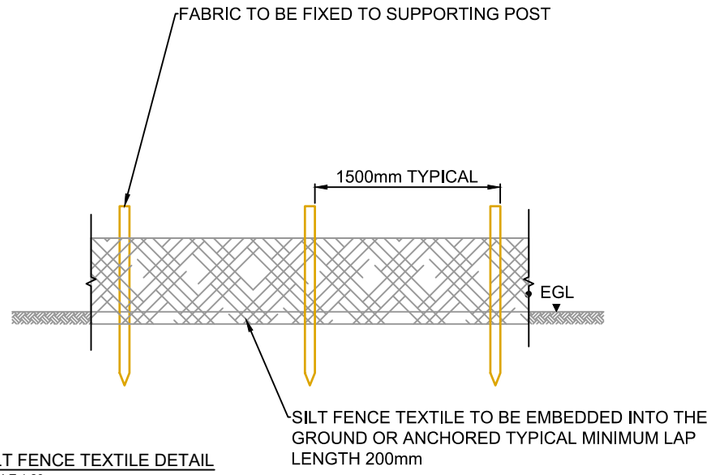
| DRAWING NUMBER | REV |
|---|---|
| 04097-RES-DRN-DR-CE-003 | 02 |

**SCALE - NTS @ A3**

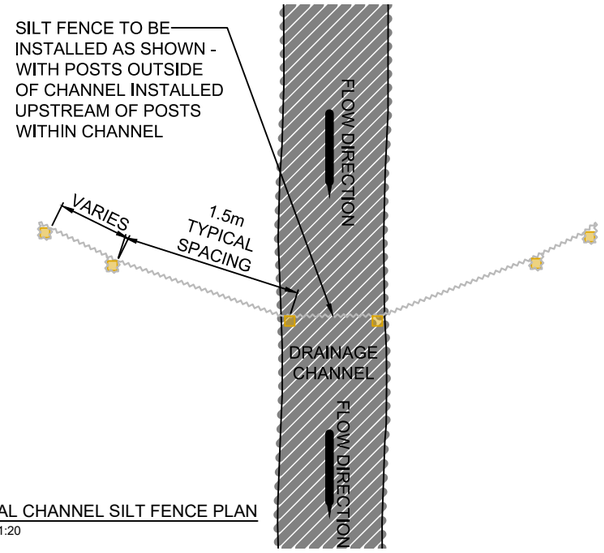
**ENVIRONMENTAL IMPACT ASSESSMENT REPORT 2022**



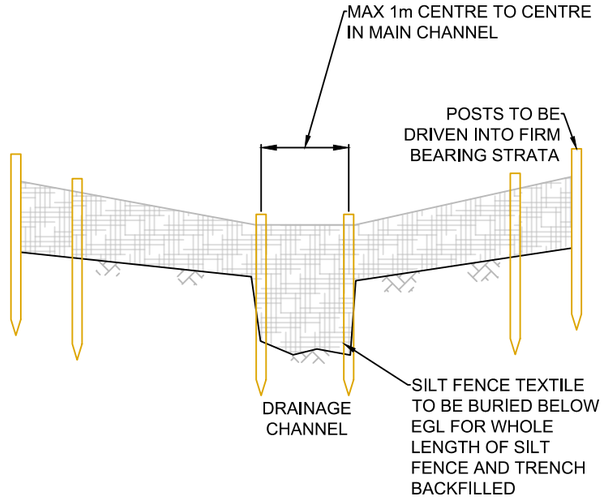

TYPICAL SILT FENCE BOTTOM OF SLOPE
SCALE - NTS



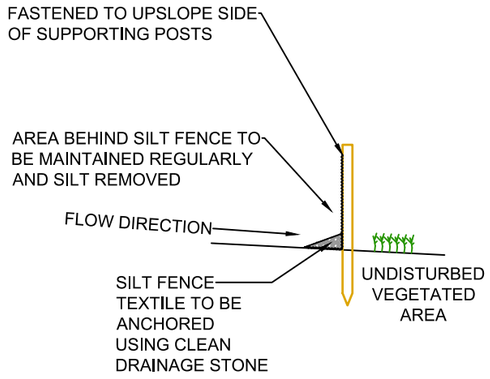

SILT FENCE TEXTILE DETAIL
SCALE 1:20



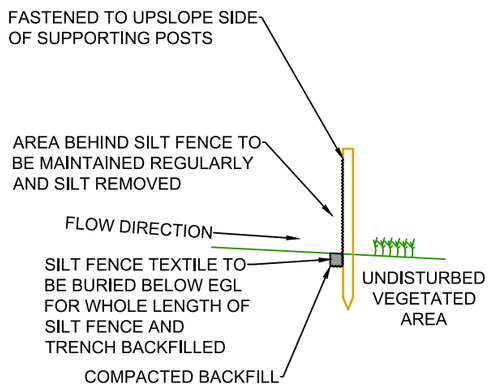

TYPICAL CHANNEL SILT FENCE PLAN
SCALE - 1:20




TYPICAL CHANNEL SILT FENCE ELEVATION
SCALE - 1:20




ANCHORED TYPE OPTION
SCALE 1:20




BURIED TYPE OPTION
SCALE 1:20

# BLOCH WIND FARM

## FIGURE 2.7d

## TYPICAL DRAINAGE DETAILS

**NOTES:**

1. SUDS SYSTEM TO BE CONSTRUCTED PRIOR TO, OR AT THE SAME TIME AS THE ACCESS TRACK & HARDSTANDS. INTERIM MEASURES SUCH AS THE PLACEMENT OF SILT FENCES TO BE USED AROUND WATERCOURSES AND RETAINED IN PLACE UNTIL SUDS ARE ESTABLISHED AND PROVIDING SUFFICIENT SILT REMOVAL.
2. THE LEVEL OF SILT IN RUNOFF DURING CONSTRUCTION IS TO BE MONITORED VISUALLY AND EXCESSIVE SILT LEVELS IN ANY AREA TO BE TEMPORARILY MANAGED BY PLACING SILT FENCES AT THE PROBLEM AREAS.
3. TEXTILE OF SILT FENCE TO BE HY-TEX TERRASTOP OR SIMILAR APPROVED.
4. CARE REQUIRED WHEN PLACING & SECURING TEXTILE ADJACENT TO BANKS TO ENSURE ALL WATER IS FORCED TO PASS THROUGH SILT FENCE AND CANNOT BYPASS GEOTEXTILE.

| LAYOUT DWG | T-LAYOUT NO. |
|---|---|
| N/A | N/A |

| DRAWING NUMBER | REV |
|---|---|
| 04097-RES-DRN-DR-CE-004 | 02 |

**SCALE - AS SHOWN @ A3**

**ENVIRONMENTAL IMPACT ASSESSMENT REPORT 2022**