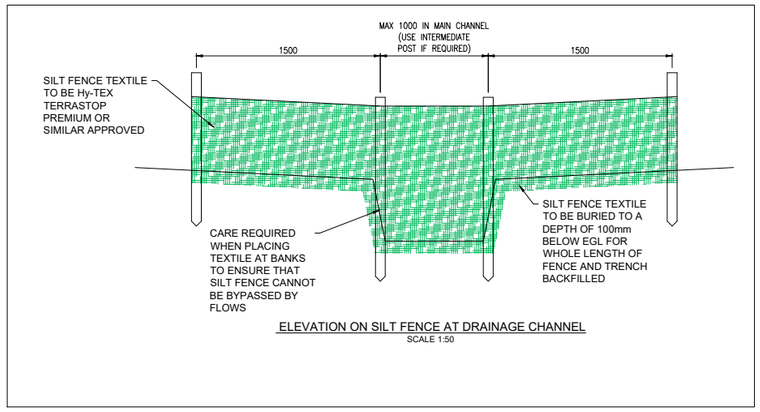
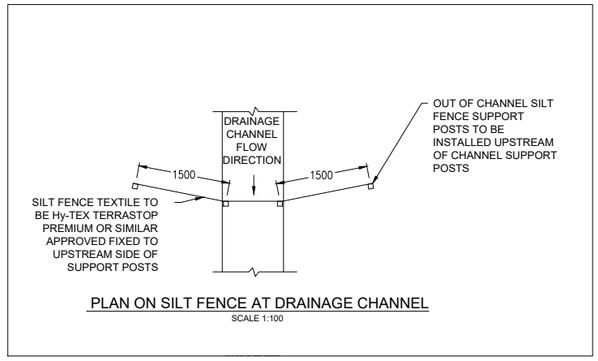
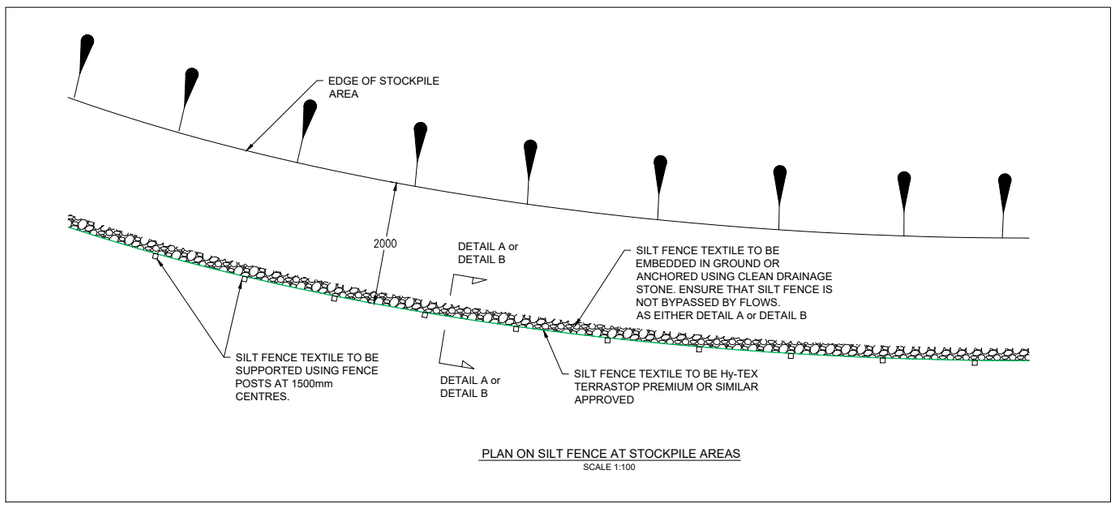


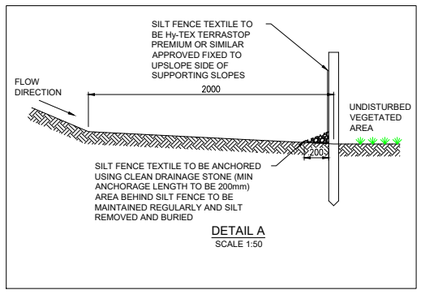

ELEVATION ON SILT FENCE AT DRAINAGE CHANNEL
SCALE 1:50



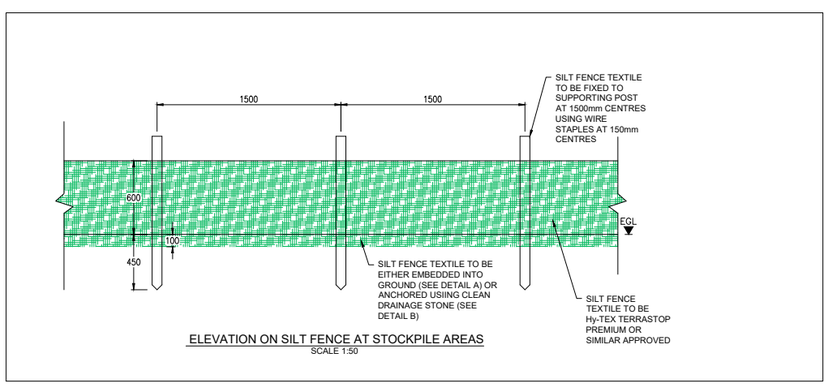

PLAN ON SILT FENCE AT DRAINAGE CHANNEL
SCALE 1:100



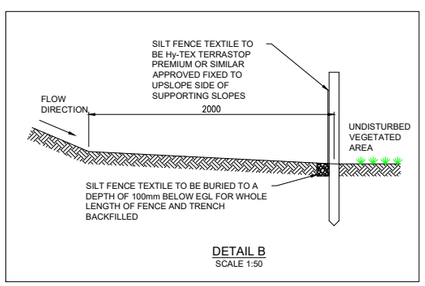

PLAN ON SILT FENCE AT STOCKPILE AREAS
SCALE 1:100




DETAIL A
SCALE 1:50




ELEVATION ON SILT FENCE AT STOCKPILE AREAS
SCALE 1:50




DETAIL B
SCALE 1:50

## NOTES:

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
3. ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
4. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.

THIS DRAWING IS NOT TO BE USED AS A CONSTRUCTION DRAWING.

DRAINAGE NOTES

1. GENERAL:
   DRAINAGE BUFFER ZONE WIDTHS SHALL BE A MINIMUM OF 65m.
2. CONSTRUCTION AND MAINTENANCE
   - ROADSIDE DRAIN SHOULD NOT INTERCEPT LARGE VOLUMES OF WATER FROM THE GROUND ABOVE.
   - ROADSIDE DRAINS LIKELY TO CARRY HIGH SEDIMENT LOADS AND MUST DISCHARGE INTO A BUFFER OF ADEQUATE WIDTH.
   - DRAINS ON THE UPPER SIDE OF THE ROAD MAY NEED CULVERTS TO THE LOWER SIDE.
   - REGULAR INSPECTIONS, CLEANING AND REPAIRS WHERE NECESSARY.
3. DRAINS:
   - DRAINS SHALL BE DESIGNED AND CONSTRUCTED TO MITIGATE CHANNEL EROSION, E.G. BY INSTALLATION OF PERFORATED PIPE WITH DRAINAGE STONE SURROUND. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SYSTEM OF STILLING PONDS AND BUFFERED OUTFALLS.
   - DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL BE CONVEYED THROUGH A BUFFERED OUTFALL WITHIN AN UNDISTURBED STABILISED AREA AT NON-EROSIVE VELOCITIES.
   - ALL OBSTRUCTIONS WITHIN A DRAINAGE CHANNEL SHALL BE REMOVED AND DISPOSED OF, SO AS NOT TO INTERFERE WITH THE PROPER FUNCTION OF THE DRAINAGE SYSTEM.
   - CHECK DAMS SHALL BE CONSTRUCTED USING WELL GRADED 150mm DOWN ANGULAR GRAVEL PLACED OVER A GEO-TEXTILE LAYER. SEE DETAIL 1.
   - THE SPACING OF CHECK DAMS SHALL BE SUCH THAT THE PEAK OF THE DOWNSTREAM DAM IS NO LOWER THAN THE FOOT OF THE UPSTREAM DAM.
   - THE USE OF STRAW BALES WITHIN THE DRAINAGE SYSTEM SHOULD BE CONSIDERED ON A TEMPORARY BASIS DURING CONSTRUCTION AND MAINTENANCE WORK.
   - STRAW BALES SHOULD, HOWEVER, ONLY BE USED TO INTERCEPT SEDIMENT-LADEN RUNOFF FROM ALL DRAINAGE AREAS OF DISTURBED SOIL.
   - BALES SHOULD BE ANCHORED IN PLACE BY THE USE OF TIMBER STAKES OR RE-BARS DRIVEN THROUGH THE BALE. WHERE BALES ARE TO BE PLACED IN POSITION ADJACENT TO OTHER BALES (EG WITHIN A STILLING POND), THE FIRST STAKE IN EACH BALE SHOULD BE DRIVEN TOWARDS THE PREVIOUSLY LAID BALE AT AN ANGLE. THIS HAS THE EFFECT OF FORCING THE TWO BALES TOGETHER.
   - BALES SHALL BE REPLACED AS REQUIRED
   - BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS.
4. OUTFALLS:
   - ALL DRAINAGE CHANNELS SHALL FAN/TAPER OUT BEFORE ENTERING THE BUFFER ZONE. PRIOR TO ENTERING THE TAPERED ZONE, THE BASE OF THE DRAINAGE CHANNELS TO BE CONSTRUCTED OF A HARDCORE MATERIAL TO AID THE SETTLEMENT OF SUSPENDED SOLIDS.
   - NON-DEVELOPMENT RUN-OFF SHALL BE RETURNED TO A SURFACE FLOW CONDITION E.G. BY USE OF LEVEL SPREADERS.

| rev. | modifications | D | C | A |
|---|---|---|---|---|

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Client
CONSTANT ENERGY LTD

Project
TIRAWLEY WIND FARM
CO. MAYO

Stage
PLANNING

Title
DRAINAGE DETAILS
SHEET 2 OF 4

Scales
AS NOTED @ A3

| Surveyed | Prepared | Checked | Approved | Date |
|---|---|---|---|---|
| JOD | JB | MG / DT | DK | 07/2025 |

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| Job No. | Drawing no. | Revision |
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| 6289 | PL-201 | 0 |