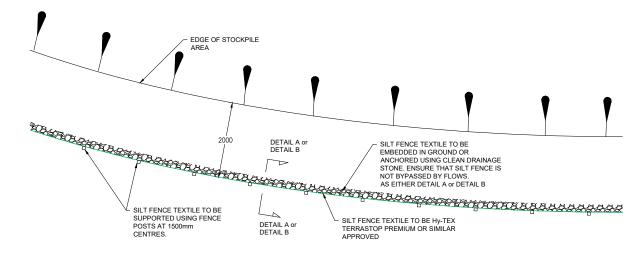
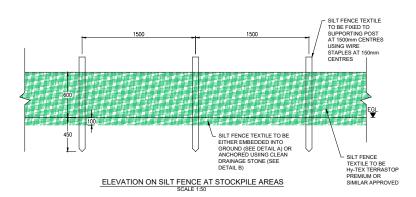
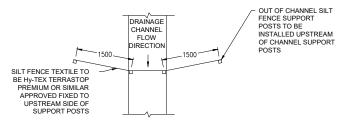


ELEVATION ON SILT FENCE AT DRAINAGE CHANNEL
SCALE 1:50

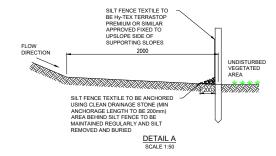


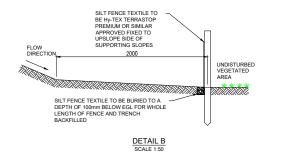
PLAN ON SILT FENCE AT STOCKPILE AREAS





PLAN ON SILT FENCE AT DRAINAGE CHANNEL





AINAGE NOTES

GENERAL: DRAINAGE BUFFER ZONE WIDTHS SHALL BE A MINIMUM OF 65m.

CONSTRUCTION AND MAINTENANCE

ROADSIDE DRAIN SHOULD NOT INTERCEPT LARGE VOLUMES OF ROADSIDE DRAIN SHOULD NOT INTERCEPT LARGE VOLUMES OF WATER FROM THE GROUND ABOVE. IN SUBMENT LOADS AND WATER FROM THE GROUND ABOVE. IN CAUGHT AND SUBMENT LOADS AND WIST DISCHARGE INTO A BUFFER OF ADEQUATE WIDTH. DRAINS ON THE UPPER SIDE OF THE ROAD MAY NEED CULVERTS TO THE LOWER SIDE. GRAINING AND REPAIRS WHERE NECESSARY.

DRAINS:

DRAINS SHALL BE DESIGNED AND CONSTRUCTED TO MITIGATE OWNER LEFOSION E.G. BY INSTALLATION OF PERFORATED PIPE WITH DRAINAGE STONE SURPOUND.

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 DUTFALL WITHIN A DISTURBED ATRIAL BE CONVEYED THROUGH A BUFFERED DUTFALL WITHIN A DISTURBED STREAM 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 UNSTREAM DAM. DAM IS NO LOWER THAN THE FOOT OF THE UNSTREAM DAM.

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 (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 WOOD BALES TO GETHER.

BALES SHALL BE REPLACED AS REQUIRED BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS.

OUTFALLS:

ALL DRAINAGE CHANNELS SHALL FANTAPER OUT BEFORE ENTERING THE BUFFER ZONE. PRIOR TO ENTERING THE TAPERED ZONE. THE BASE OF THE DRAINAGE CHANNELS TO BE CONSTRUCTED OF A HARDCOPE MATERIAL TO AID THE SETTLEMENT OF SUSPENDED SOLIDS.

NON-DEVELOPMENT RIN-OFF SHALL BE RETURNED TO A SURFACE FLOW CONDITION E.G. BY USE OF LEVEL SPREADERS.

Client Gortyrahilly Wind DAC

Proposed Wind Farm at Gortyrahilly, Ballyvourney, Co. Cork

Stage

Planning

Drainage Details Sheet 2 of 4

Scales

As Noted @ A3

Prepared By Checked S.M.

JENNINGS O'DONOVAN & PARTNERS LIMITED. CONSULTING ENGINEERS,

15-07-2022

FINISKLIN,

SLIGO, IRELAND.

TEL. (0035371) 9161416. FAX. (0035371) 9161080. Email, info@iodireland.com

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