Appendix 11.2 Watercourse Crossing Schedule

This page is intentionally blank.

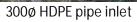
-	xtension - Water Crossing Details	
Crossing:	Douglas West Extension – Watercourse crossing 1	EXISTING ACCESS ROAD
Location:	Proposed windfarm site entrance south west of Longhill pond.	EXISTING STRUCTURAL Fill MATERIAL
Watercourse:	Existing Longhill HDPE piped water under existing access tack between drainage ditches.	
NGR:	NS 81920 32492	EXISTING HIDPE SURFACE WATER PIPE. (DIAMTER AND CONDITION OF PIPE TO BE DETERMINED)
		LONGITUDINAL SECTION THROUGH EXISTING WATER CROSSING 1
Description: Catchment Area:	<ul> <li>Piped water crossing to be maintained between existing drainage ditches to Longhill pond. The existing HDPE pipe crossing will maintain the greenfield run off in the area.</li> <li>22 hectares (0.22km2)</li> </ul>	EXISTING ACCESS ROAD BOTH SIDES BOTH SIDES EXISTING STRUCTURAL FILL MATERIAL FILL MATERIAL FILL MATERIAL
Crossing Type:	Existing HDPE piped watercourse crossing	CROSS SECTION THROUGH EXISTING WATER PROSSING 1 (DAMETER AND CONDITION OF PIPE TO BE DETERMINED)
	Existing Longhill HDPE pipe crossing	Location Plan

Crossing:	Douglas West Extension – Watercourse crossing 2	
Location:	Existing HDPE piped water crossing north west of Arkney Hill	EXISTING ACCESS ROAD
Watercourse:	Arkney Hill HDPE piped water crossing between drainage ditches with downstream outfall to Shiel Burn.	EXISTING STRUCTUR FILL MATERIAL
NGR:	NS 80794 31479	EXISTING 300Ø HDPE SURFACE WATER PIPE. CONDITION OF PIPE TO BE DETERMINED.
		LONGITUDINAL SECTION THROUGH
Description:	Existing 300Ø HDPE piped water crossing north west of Arkney Hill. The existing 300Ø HDPE pipe crossing will	EXISTING WATER CROSSING 2
	maintain existing greenfield run off in limited catchment	PROPOSED SNOW POLES
	area.	EXISTING ACCESS ROAD
Catchment Area:	2 Hectares (0.02km2)	FILL MATERIAL
Crossing Type:	Existing 300Ø HDPE piped water crossing under forestry	
	track to be maintained	SURFACE WATER PIPE EXISTING WATER CROSSING 2
	CALL CARE THE CARD AND AND AND AND AND AND AND AND AND AN	Encligsure and a state



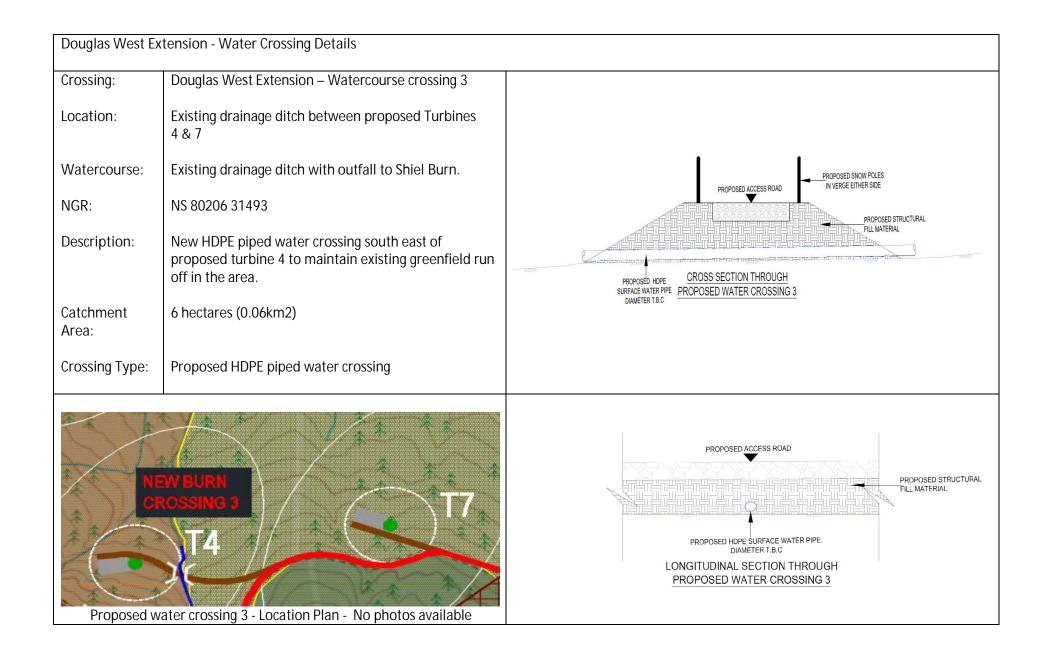
Arkney Hill water crossing location

300Ø HDPE pipe outlet





Location Plan



Douglas West Extension - Water Crossing Details		
Crossing:	Douglas West Extension – Watercourse crossing 4	
Location:	Existing water crossing north of Henry's Hill between proposed turbines 1 & 4.	EXISTING ACCESS ROAD
Watercourse:	Existing 450Ø HDPE replacement piped water crossing to Shiel Burn, north east of Henry's Hill	EXISTING STRUCTURAL FILL MATERIAL EXISTING 4500 HDPE SURFACE WATER PIPE LONGITUDINAL SECTION THROUGH
NGR:	NS 79964 31469	EXISTING WATER CROSSING 4
Description:	Well pronounced watercourse with existing damaged 450ø HDPE pipe under existing forestry track. Replacement section of 450ø HDPE pipe and slope repairs required to maintain greenfield run off in area.	PROPOSED SNOW POLES IN VERGE EITHER SIDE EXISTING ACCESS ROAD EXISTING VEGETATION EXISTING STRUCTURAL
Catchment Area:	8 hectares (0.08km2)	EXISTING DAMAGED HDPE EXISTING CAMA HDPE EXISTING CAMA HDPE CROSS SECTION THROUGH
Crossing Type:	450ø HDPE replacement pipe crossing to Shiel Burn	SURFACE WATER FIPE EXISTING WATER CROSSING 4
Fyladian	AFOA LIDDE pipe inlat	PE pipe outlet to be replaced
Existing 450ø HDPE pipe inlet Damaged 450ø HDPE pipe outlet to be replaced Location Plan		

Crossing:       Douglas West Extension - Watercourse crossing 5         Location:       Shiel Burn proposed water crossing between T9 & T10         Watercourse:       Shiel burn         NGR:       NS 80722 32475         Well defined valley with grass treatment beds approximately 3m high and 5m wide known as the Shiel Burn. The arch culvert will maintain the capacity of the existing burn under the proposed access road.         Catchment Area:       85 hectares (0.85km2)         Proposed galvanised steel bottomless arch culvert with seating rails and foundations       Octoss section mough is intermediations         Option Type:       Proposed galvanised steel bottomless arch culvert       Option of the existing couper of the culvert with seating rails and foundations	Douglas West Ex	tension - Water Crossing Details	
Watercourse:       Shiel burn         NGR:       NS 80722 32475         Description:       Well defined valley with grass treatment beds approximately 3m high and 5m wide known as the Shiel Burn. The arch culvert will maintain the capacity of the existing burn under the proposed access road.         Catchment Area:       85 hectares (0.85km2)         Proposed galvanised steel bottomless arch culvert       Proposed galvanised steel bottomless arch culvert	Crossing:	Douglas West Extension - Watercourse crossing 5	PROPOSED ACCESS ROAD
Watercourse:       Shiel burn         NS 80722 32475         NGR:         Description:         Well defined valley with grass treatment beds approximately 3m high and 5m wide known as the Shiel Burn. The arch culvert will maintain the capacity of the existing burn under the proposed access road.         Catchment Area:       85 hectares (0.85km2)         Proposed galvanised steel bottomless arch culvert       Proposed galvanised steel bottomless arch culvert	Location:	Shiel Burn proposed water crossing between T9 & T10	CULVERT WITH SEATING GROUND LEVEL
NGR:       NGR:       Well defined valley with grass treatment beds approximately 3m high and 5m wide known as the Shiel Burn. The arch culvert will maintain the capacity of the existing burn under the proposed access road.       Image: Proposed galvanised steel bottomless arch culvert         Catchment Area:       85 hectares (0.85km2)       Proposed galvanised steel bottomless arch culvert       Proposed galvanised steel bottomless arch culvert	Watercourse:	Shiel burn	NTERNITIONE PRPOPOSED STRUCTURAL FILL MATERIAL
Description:       approximately 3m high and 5m wide known as the Shiel Burn. The arch culvert will maintain the capacity of the existing burn under the proposed access road.         Catchment Area:       85 hectares (0.85km2)         Crossing Type:       Proposed galvanised steel bottomless arch culvert	NGR:	NS 80722 32475	LONGITUDINAL SECTION THROUGH FOUNDATIONS AND SEATING
Shiel Burn. The arch culvert will maintain the capacity of the existing burn under the proposed access road.         Catchment Area:         Crossing Type:         Proposed galvanised steel bottomless arch culvert			
of the existing burn under the proposed access road.         Catchment         Area:         Crossing Type:         Proposed galvanised steel bottomless arch culvert	Description:		PROPOSED SNOT TOEES
Area: Crossing Type: Proposed galvanised steel bottomless arch culvert PROPOSED WATER CROSSING 5 PROPOSED WATER CROSSING 5			
Crossing Type: Proposed galvanised steel bottomless arch culvert		85 hectares (0.85km2)	
	Crossing Type:	1 8	CROSS SECTION THROUGH INTERNATIONAL
Shiel Burn Crossing and new access road location Proposed steel arch culvert location Location Plan	Shiel Purp Crossi	pa and now access read location	A pol arch gulvert location

Douglas West Ex	xtension - Water Crossing Details	
Crossing:	Douglas West Extension – Watercourse crossing 6	EXISTING ACCESS ROAD
Location:	Existing 450ø HDPE piped crossing between proposed turbine 1 and proposed turbine 4 junction.	EXISTING STRUCTUAL FILL MATERIAL AS REQUIRED.
Watercourse:	Existing 450ø HDPE piped water crossing north of Burnt Rig.	Existing 4500 HDPE PIPE CROSS SECTION THROUGH EXISTING WATER CROSSING 6
NGR:	NS 80238 31354	
Description:	Existing 450Ø HDPE piped water crossing under existing forestry access track between small localised drainage ditches to maintain existing greenfield run off in area.	PROPOSED SNOW POLES IN VERGE EITHER SIDE EXISTING ACCESS ROAD
Catchment Area:	7 hectares (0.07km2)	EXISTING 4500 HDPE PIPE EXISTING WATER CROSSING 6
Crossing Type:	Existing 450ø HDPE piped water crossing between localised drainage ditches	
		Burne Rig
Existing 450	DØ HDPE pipe outlet Existing 450Ø HDPE	pipe inlet Location Plan