

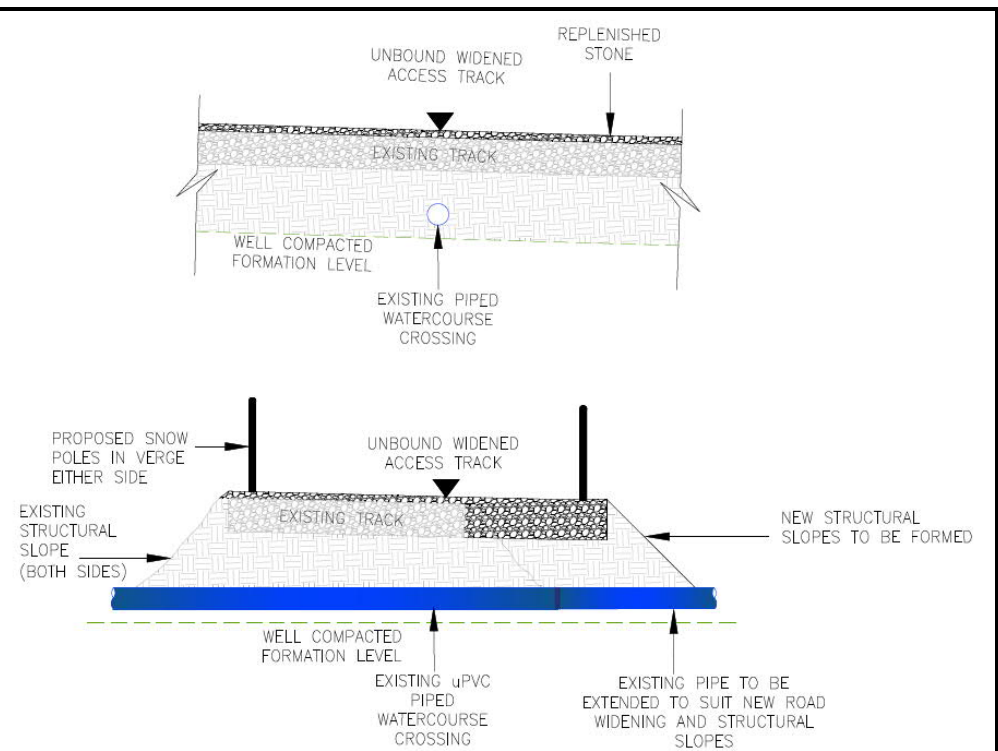
Appendix 11.3 Watercourse Crossing Schedule

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Table – Cumberhead Windfarm – Water Course Crossing Assessment

Existing Watercourse Road Crossings	
Crossing:	Existing Road Crossing 1 (ERC 1)
Location:	South of sheepfold and existing pond
Watercourse:	Existing uPVC piped watercourse crossing under existing access road west of Henry's Hill.
NGR:	NS 79034 31302
Description:	Piped watercourse crossing to be maintained between drainage ditches to Hagshaw Burn.
Catchment Area:	1.2Ha (0.012km ²)
Crossing Type:	Existing 450Ø HDPE piped watercourse crossing between existing drainage ditches
<p>Existing track</p> <p>Existing crossing looking north</p> <p>Existing crossing looking south</p> <p>Location plan</p>	

Crossing:	Existing Road Crossing 2 (ERC 2)
Location:	East of Nutberry Wind Farm
Watercourse:	Existing uPVC piped watercourse crossing under existing access road east of Nutberry Wind Farm
NGR:	NS 77393 32712
Description:	Piped watercourse crossing to be maintained between drainage ditches discharging to Scott's burn
Catchment Area:	1.5Ha (0.015km ²)
Crossing Type:	Existing uPVC piped watercourse crossing between drainage ditches



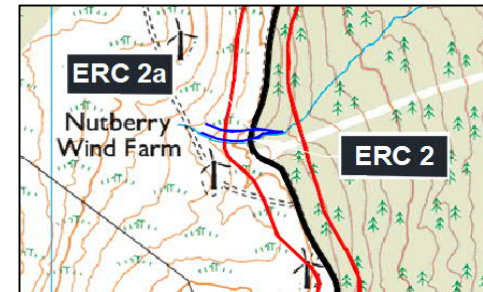
Existing track



Existing crossing looking east

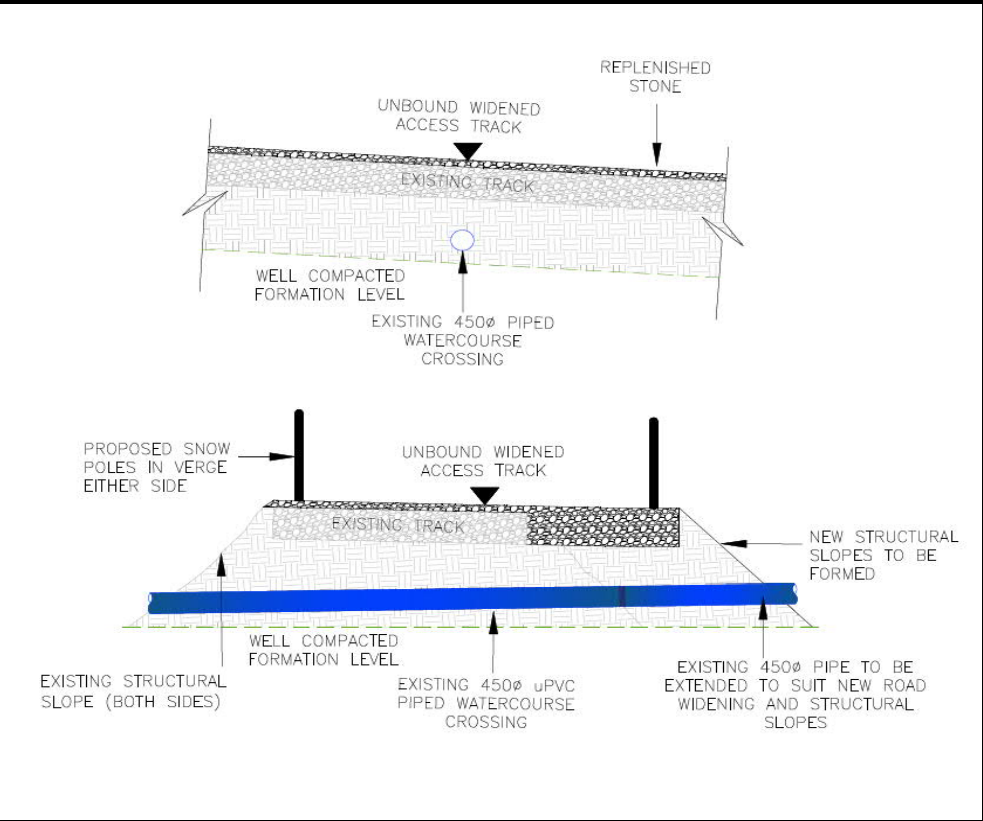


Existing crossing looking west



Location plan

Crossing:	Existing Road Crossing 2a (ERC 2a)
Location:	East of Nutberry Wind Farm
Watercourse:	Existing uPVC piped watercourse under existing forestry access road east of Nutberry Wind Farm.
NGR:	NS 77397 32732
Description:	Piped watercourse crossing to be maintained between drainage ditches discharging to Scott's burn
Catchment Area:	1.5Ha. (0.015km ²)
Crossing Type:	Existing uPVC piped watercourse crossing between drainage ditches



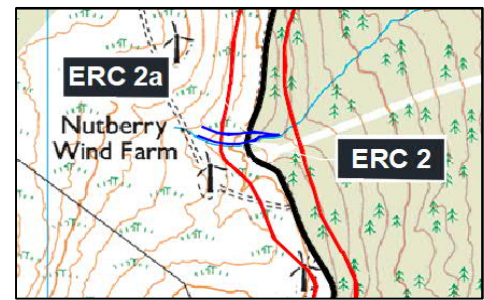
Existing track



Existing crossing looking east

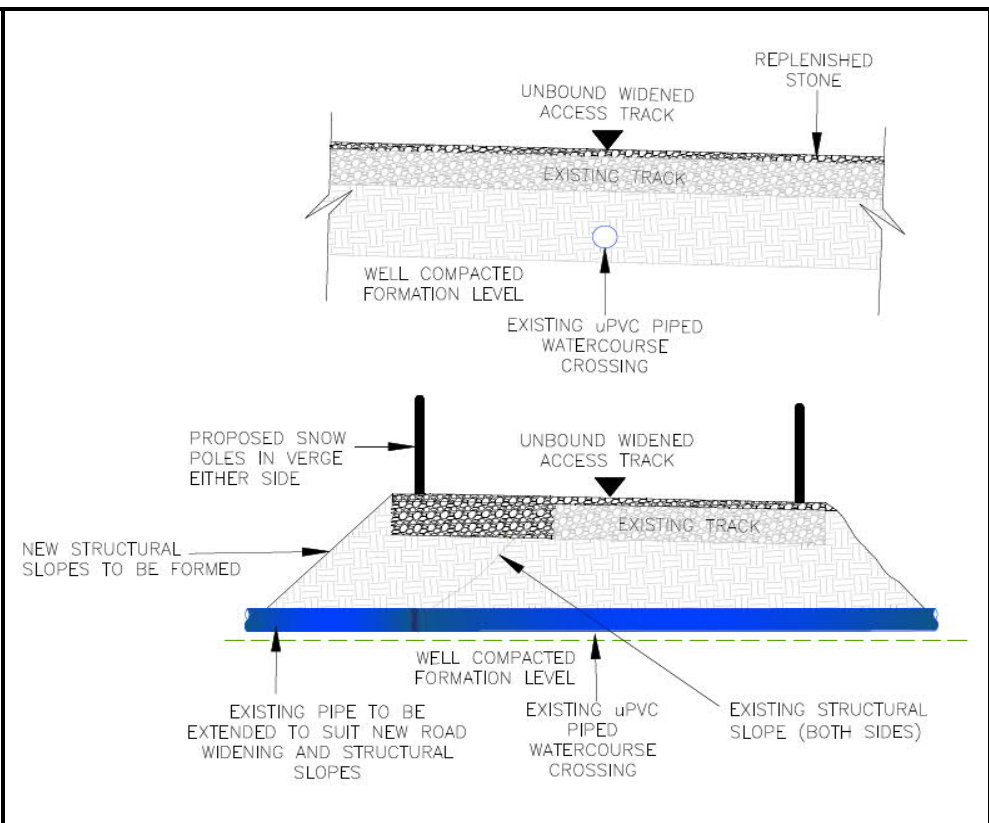


Existing crossing looking west



Location plan

Crossing:	Existing Road Crossing 3 (ERC 3)
Location:	North-east of Nutberry Wind Farm, south-east of disused quarry
Watercourse:	Piped watercourse crossing to be maintained between drainage ditches discharging to Scott's Burn.
NGR:	NS 77502 33214
Description:	Existing uPVC piped watercourse under existing forestry access road south of Cumberhead.
Catchment Area:	2.8Ha (0.028km ²)
Crossing Type:	Existing uPVC piped watercourse crossing between drainage ditches



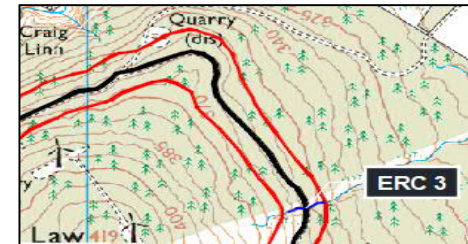
Existing track



Existing crossing looking east



Existing crossing looking west



Location plan

Crossing:	Existing Road Crossing 4 (ERC 4)	
Location:	North-west of Nutberry Wind Farm, south-west of disused quarry.	
Watercourse:	Piped watercourse crossing to be maintained between drainage ditches discharging to Pockmuir Burn.	
NGR:	NS 77626 33027	
Description:	Existing 300ø uPVC piped watercourse under existing forestry access road south west of Craig Linn	
Catchment Area:	2.3Ha (0.023km ²)	
Crossing Type:	Existing 300ø uPVC piped watercourse crossing between existing drainage ditches	



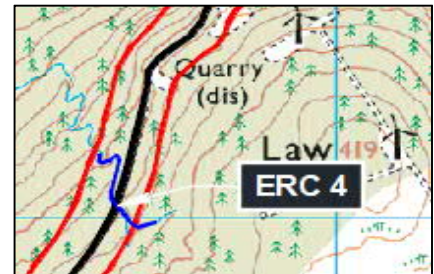
Existing track



Existing crossing looking north west



Existing crossing looking north east



Location plan

Crossing:	Existing Road Crossing 5 (ERC 5)	
Location:	North-east of Meikle Auchinstilloch	
Watercourse:	Existing uPVC piped watercourse crossing discharging to Pockmuir Burn	
NGR:	NS 76294 32587	
Description:	Existing uPVC piped watercourse crossing north-east of Meikle Auchinstilloch	
Catchment Area:	1.7Ha (0.017km ²)	
Crossing Type:	Existing uPVC piped watercourse crossing between existing drainage ditches	



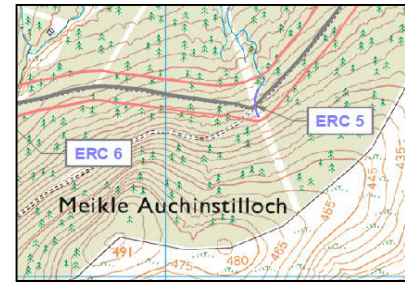
Existing track



Existing crossing looking north



Existing crossing looking south



Location plan

Crossing:	Existing Road Crossing 6 (ERC 6)	
Location:	North-west of Meikle Auchinstilloch	
Watercourse:	Existing uPVC watercourse crossing with discharging to Pockmuir Burn	
NGR:	NS 75450 32569	
Description:	Existing uPVC piped watercourse crossing north-west of Meikle Auchinstilloch	
Catchment Area:	2.4Ha (0.024km ²)	
Crossing Type:	Existing uPVC piped watercourse crossing between well pronounced drainage ditches	



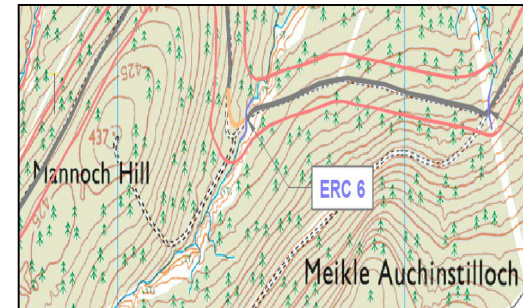
Existing track



Existing crossing looking north

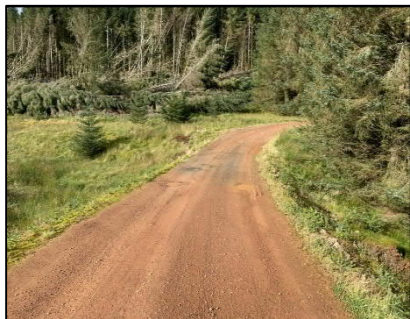


Existing crossing looking south



Location plan

Crossing:	Existing Road Crossing 7 (ERC 7)	
Location:	South-west of Mannocho Hill	
Watercourse:	Existing uPVC watercourse crossing discharging to River Nethan	
NGR:	NS 74347 32260	
Description:	Existing uPVC piped watercourse crossing south-west of Mannocho Hill	
Catchment Area:	2.5Ha (0.025km ²)	
Crossing Type:	Existing 450ø HDPE piped watercourse crossing between well pronounced drainage ditches	



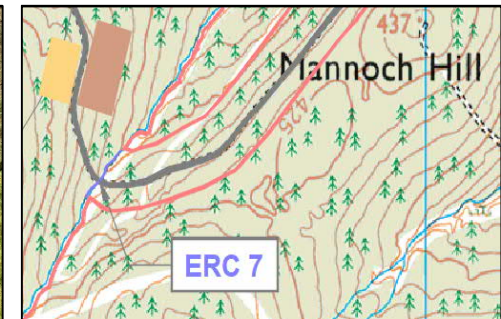
Existing track



Existing crossing looking north east



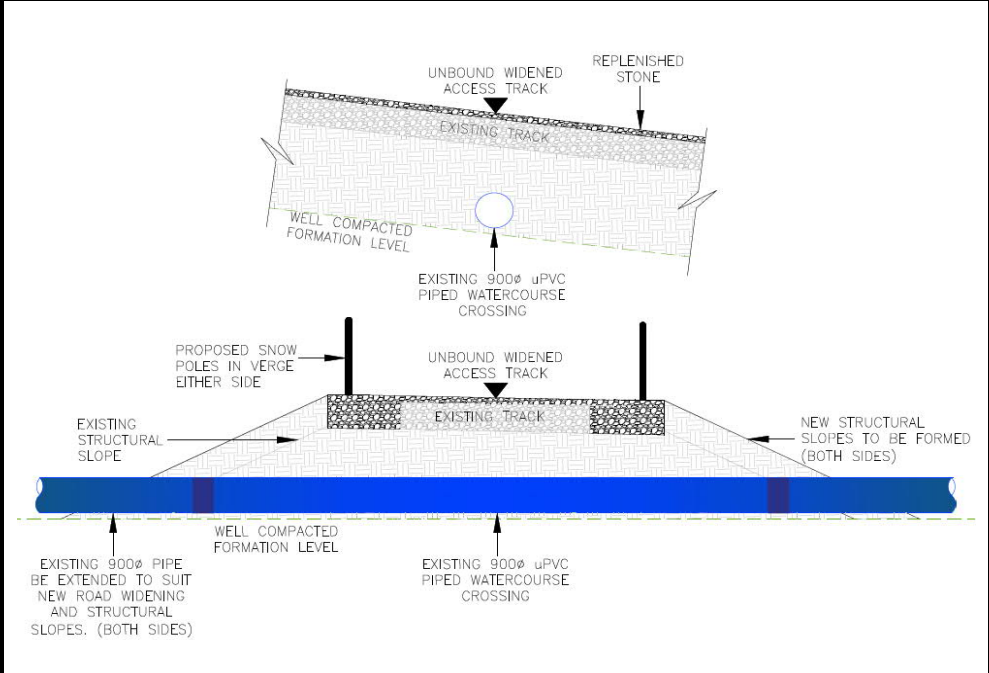
Existing crossing looking south west



Location plan

Cumberhead – Existing Watercourse Track Crossings

Crossing:	Existing Watercourse Crossing 1 (EWC1)
Location:	East of Priesthill Height, North of disused quarry
Watercourse:	Existing 600Ø uPVC watercourse crossing discharging to River Nethan
NGR:	NS 74347 32260
Description:	Existing uPVC piped watercourse crossing west of Mannoch Hill
Catchment Area:	2.3Ha (0.023km ²)
Crossing Type:	Existing 600Ø HDPE piped watercourse crossing between well pronounced drainage ditches



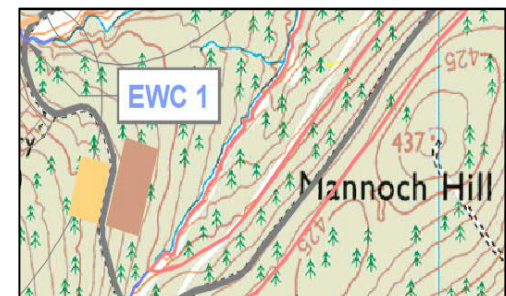
Existing track



Existing crossing looking west

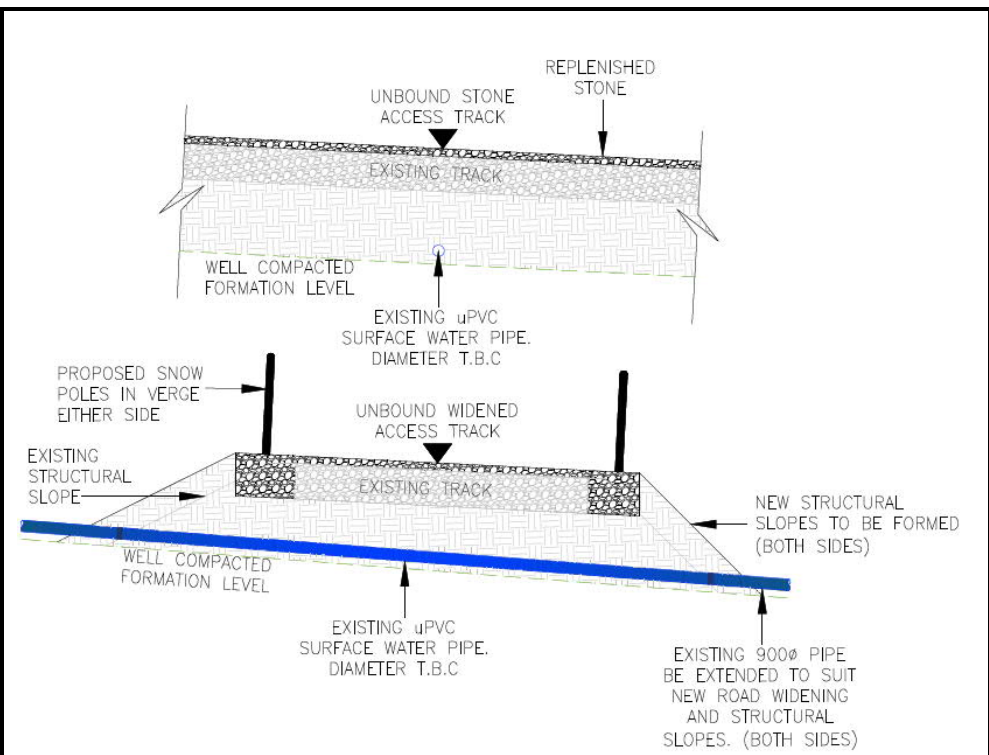


Existing crossing looking east



Location plan

Crossing:	Existing Watercourse Crossing 2 (EWC 2)
Location:	North of Cairn
Watercourse:	Existing uPVC piped watercourse crossing discharging to River Nethan.
NGR:	NS 74426 33167
Description:	Existing uPVC piped watercourse crossing north of Cairn.
Catchment Area:	0.88Ha (0.009km ²)
Crossing Type:	Existing uPVC pipe crossing between drainage ditches



Existing track crossing



Existing crossing looking south east

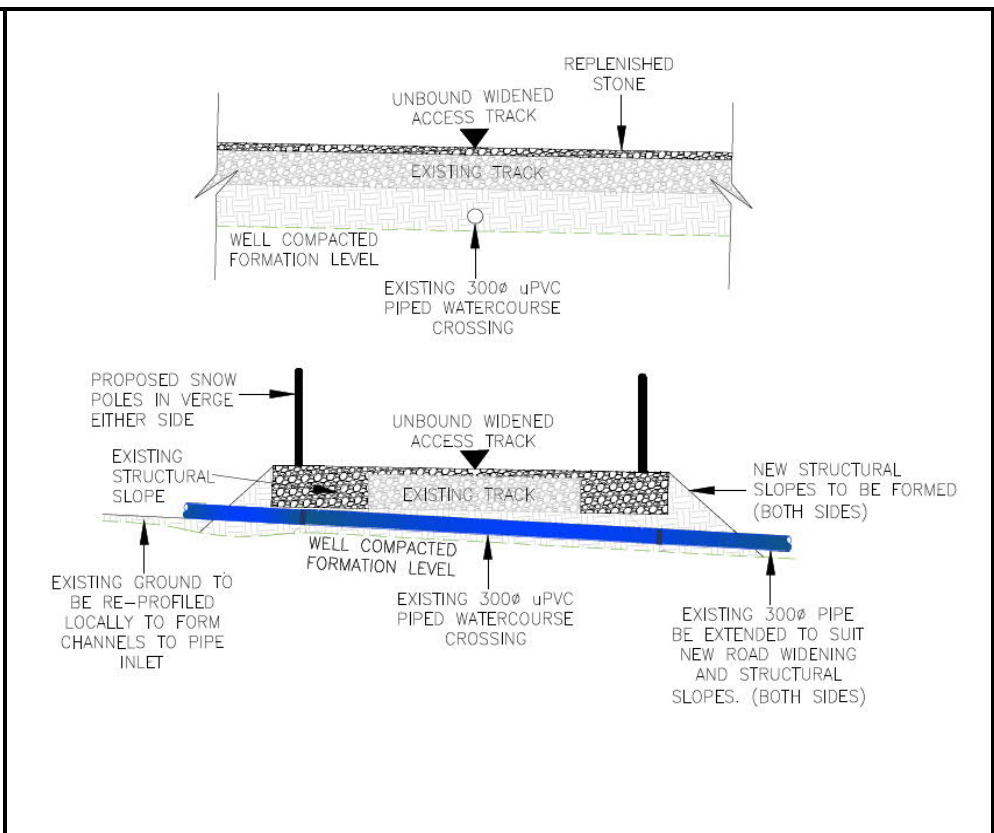


Existing crossing looking south west



Location plan

Crossing:	Existing Watercourse Crossing 3 (EWC 3)
Location:	South-west of Nutberry Hill
Watercourse:	Existing uPVC piped watercourse crossing discharging to Logan Water.
NGR:	NS 73844 33565
Description:	Existing Upvc piped watercourse crossing south-west of Nutberry Hill
Catchment Area:	1.1Ha (0.011km ²)
Crossing Type:	Existing 225ø uPVC piped watercourse crossing between existing drainage ditches. Channels on approach to existing pipe inlet (west) to be re-graded during construction to form channels toward pipe inlet to alleviate ponding issues.



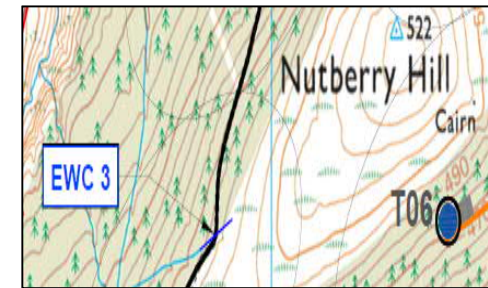
Existing track and crossing



Existing crossing looking east



Existing track crossing looking west



Location plan

Crossing:	Existing Watercourse Crossing 4 (EWC 4)	
Location:	South-east of Birk Knowes	
Watercourse:	Existing uPVC piped watercourse crossing discharging to Long Burn	
NGR:	NS 74361 34368	
Description:	Existing uPVC piped watercourse crossing south-east of Birk Knowes	
Catchment Area:	2.23Ha (0.022km ²)	
Crossing Type:	Existing 225Ø uPVC piped watercourse crossing between drainage ditches. Channels on approach to existing pipe inlet (north-west) to be re-graded during construction to form channels toward pipe inlet to alleviate ponding issues.	



Existing track



Existing crossing looking south east



Existing crossing looking north west



Location plan

Crossing:	Existing Watercourse Crossing 5 (EWC 5)	
Location:	North-east of Nutberry Hill	
Watercourse:	Existing uPVC piped watercourse crossing discharging to Long Burn	
NGR:	NS 74946 34158	
Description:	Existing uPVC piped watercourse crossing south-east of Eaglinside	
Catchment Area:	2.5Ha (0.025km ²)	
Crossing Type:	Existing 450Ø uPVC piped watercourse crossing between drainage ditches. Channels on approach to existing pipe inlet (north) to be re-graded during construction to form channels toward pipe inlet to alleviate ponding issues.	



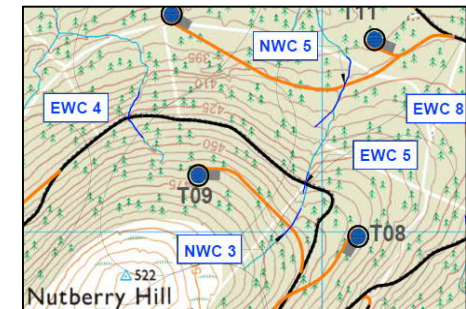
Existing track



Existing crossing looking south

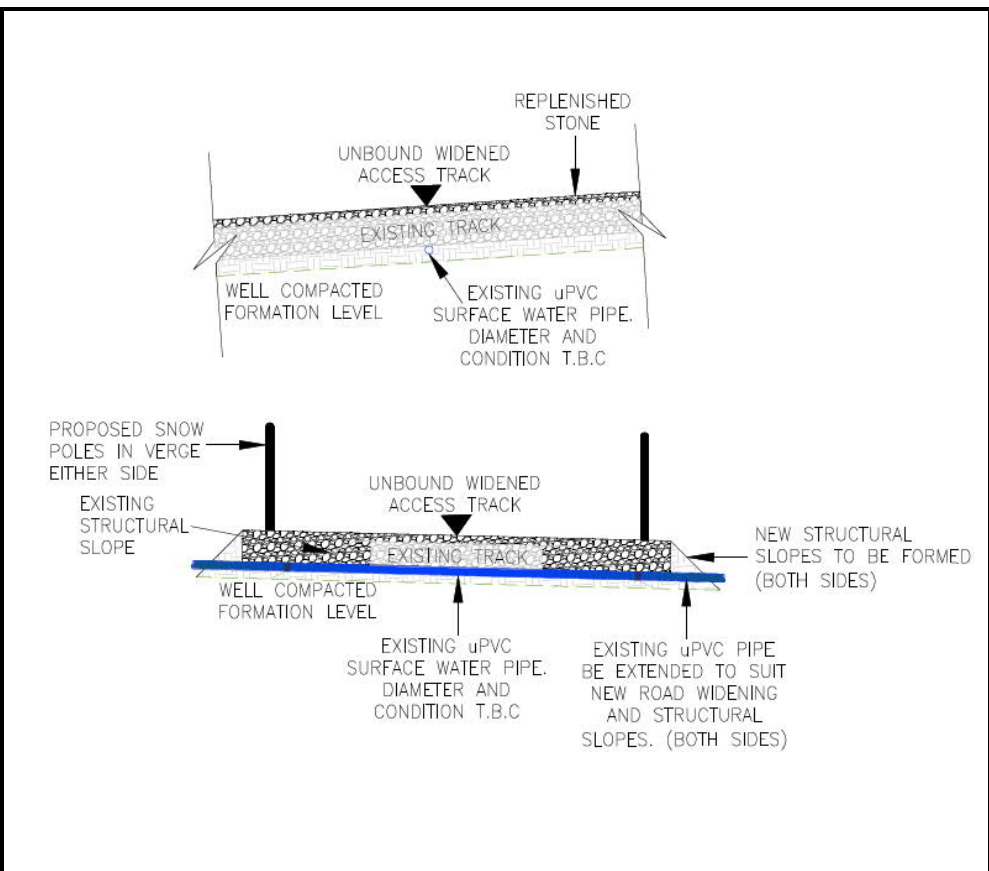


Existing crossing looking north



Location plan

Crossing:	Existing Watercourse Crossing 6 (EWC 6)
Location:	East of Nutberry Hill
Watercourse:	Existing uPVC piped watercourse crossing discharging to River Nethan
NGR:	NS 75083 33566
Description:	Existing uPVC piped watercourse crossing north of Mannoeh Hill. Vegetation to be cleared to expose existing track and culvert.
Catchment Area:	1.2Ha (0.012km ²)
Crossing Type:	Existing 450Ø uPVC piped watercourse crossing between drainage ditches. Dense vegetation to be cleared and existing track inspection required prior to construction stage. Existing fill depth over existing pipe to be established to determine upgrade works requirements.



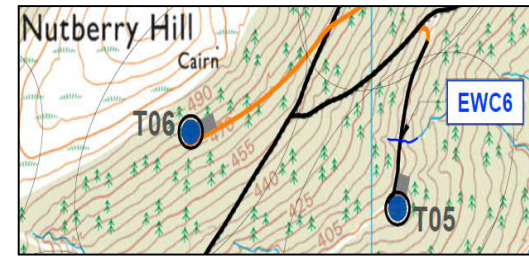
Existing track



Existing crossing looking west

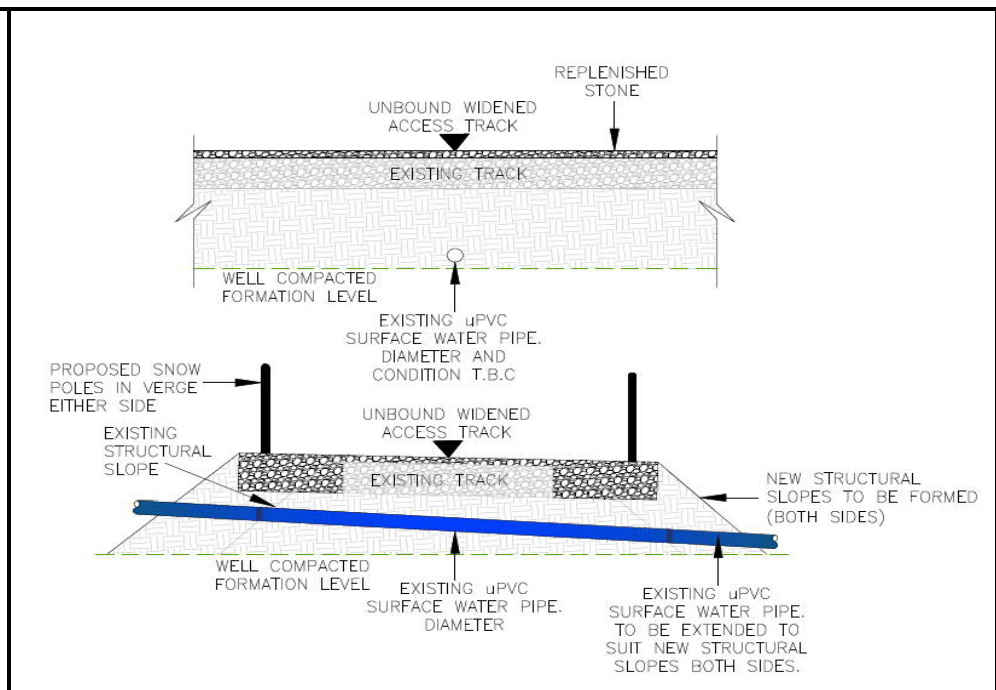


Existing crossing looking east



Location plan

Crossing:	Existing Watercourse Crossing 7 (EWC 7)
Location:	North-east of Nutberry Hill, west of Blackhill
Watercourse:	Existing uPVC piped watercourse crossing discharging to River Nethan
NGR:	NS 75484 33986
Description:	Existing uPVC piped watercourse crossing west of Black Hill. Vegetation to be cleared to expose existing culvert.
Catchment Area:	1.8Ha (0.018km ²)
Crossing Type:	Existing uPVC piped watercourse crossing between drainage ditches



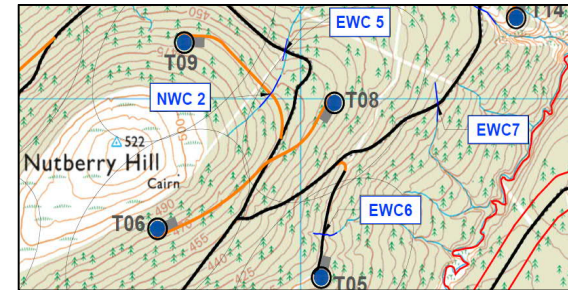
Existing track



Existing crossing looking south

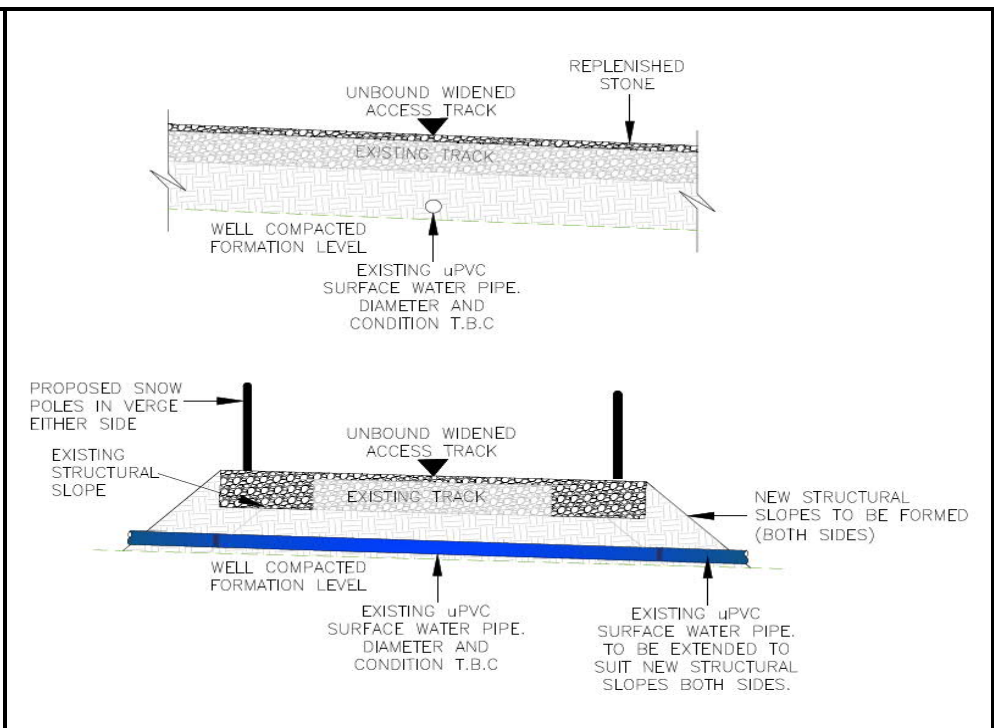


Existing crossing looking north



Location plan

Crossing:	Existing Watercourse Crossing 8 (EWC 8)
Location:	North-east of Black Hill and Nutberry Hill
Watercourse:	Existing uPVC piped watercourse crossing discharging to River Nethan
NGR:	NS 75632 34293
Description:	Existing uPVC piped watercourse crossing west of Eaglinside. Vegetation to be cleared to expose existing culvert.
Catchment Area:	2Ha (0.02km ²)
Crossing Type:	Existing uPVC piped watercourse crossing between drainage ditches



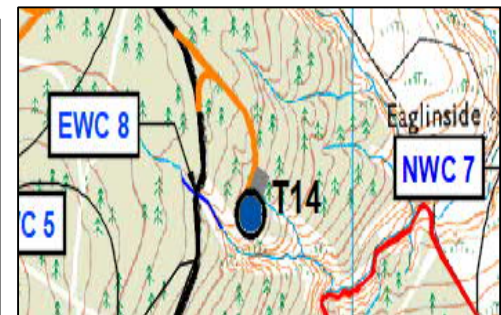
Existing track



Existing crossing looking south east



Existing crossing looking south west



Location plan

Crossing:	Existing Watercourse Crossing 9 (EWC 9)	
Location:	South-west of Standingstone Hill, east of Logan Reservoir	
Watercourse:	Existing uPVC piped watercourse crossing discharging to Eaglin Burn	
NGR:	NS 75372 35241	
Description:	Existing uPVC piped watercourse crossing south-west of Standingstone Hill.	
Catchment Area:	0.35Ha (0.004km ²)	
Crossing Type:	Existing uPVC piped watercourse crossing between drainage ditches	



Existing track



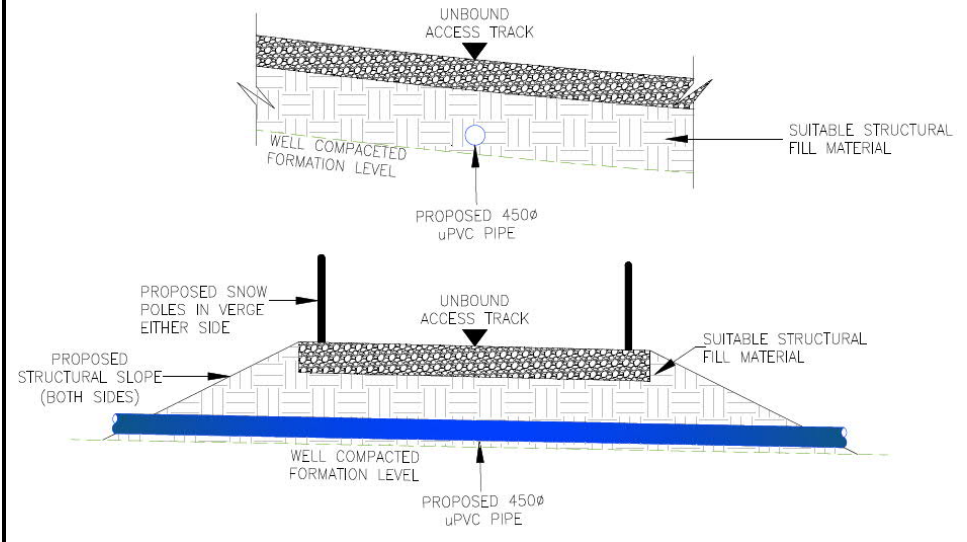
Existing crossing looking east



Location Plan

New Watercourse Track Crossings

Crossing:	New Watercourse Crossing 1 (NWC 1)
Location:	North-east of Priesthill Height, north of disused quarry
Watercourse:	Existing drainage ditch with discharge to River Nethan.
NGR:	NS 74120 32728
Description:	Well defined valley with grass treatment beds approximately 1.0m wide by 4.0m deep with varied side slopes known as the River Nethan.
Catchment Area:	1.7Ha (0.017km ²)
Crossing Type:	New access track and piped watercourse crossing to be formed at new track crossing point.



New watercourse crossing location



Location plan

Crossing:	New Watercourse Crossing 2 (NWC 2)	
Location:	North-east of Nutberry Hill	
Watercourse:	Existing well pronounced drainage ditch with discharge to the Long Burn / Logan Reservoir	
NGR:	NS 74896 34020	
Description:	Well defined valley with grass treatment beds approximately 1.0m wide by 2.0m high with varied side slopes known as the Long Burn	
Catchment Area:	1.8Ha (0.018km ²)	
Crossing Type:	New access track and piped watercourse crossing to be formed at new track crossing point.	

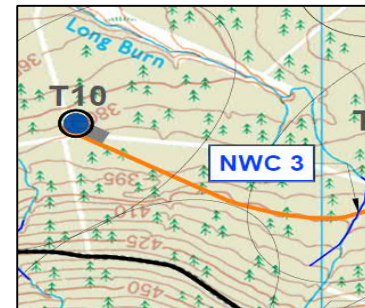
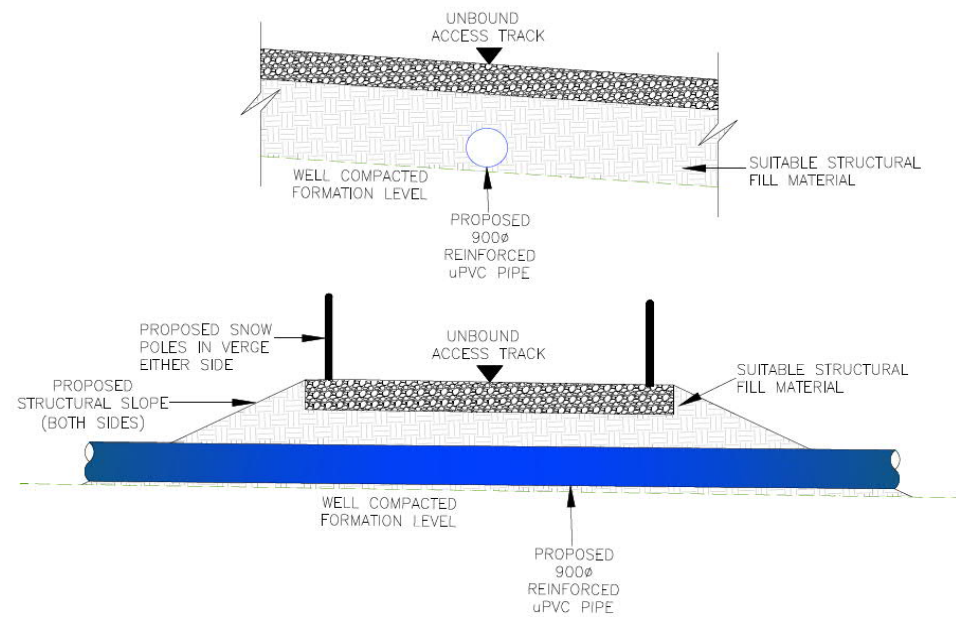


New watercourse crossing location



Location plan

Crossing:	New Watercourse Crossing 3 (NWC 3)
Location:	North-west of Eaglinside
Watercourse:	Well defined stream discharging to the Long Burn / Logan Reservoir.
NGR:	NS 75075 34470
Description:	Well defined stream with grass treatment beds approximately 3.0m wide by 1.0m high with 1:1 side slopes known as the Long Burn.
Catchment Area:	2.8Ha (0.028km ²)
Crossing Type:	New access track and piped watercourse crossing to be formed over existing stream at new track crossing point.



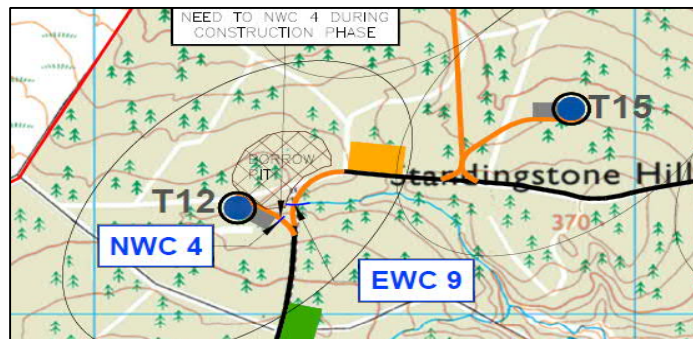
New watercourse crossing location

Location plan

Crossing:	New Watercourse Crossing 4 (NWC 4)	
Location:	West of Standingstone Hill	
Watercourse:	Well pronounced stream discharging to Eaglin Burn	
NGR:	NS 75348 35209	
Description:	Well defined stream with grass treatment beds approximately 5.0m wide by 1.0m high with 1:1 side slopes known as the Eaglin Burn.	
Catchment Area:	2.7Ha (0.027km ²)	
Crossing Type:	New access track and piped watercourse crossing to be formed over existing stream at new track crossing point. May not be required at micro siting stage.	

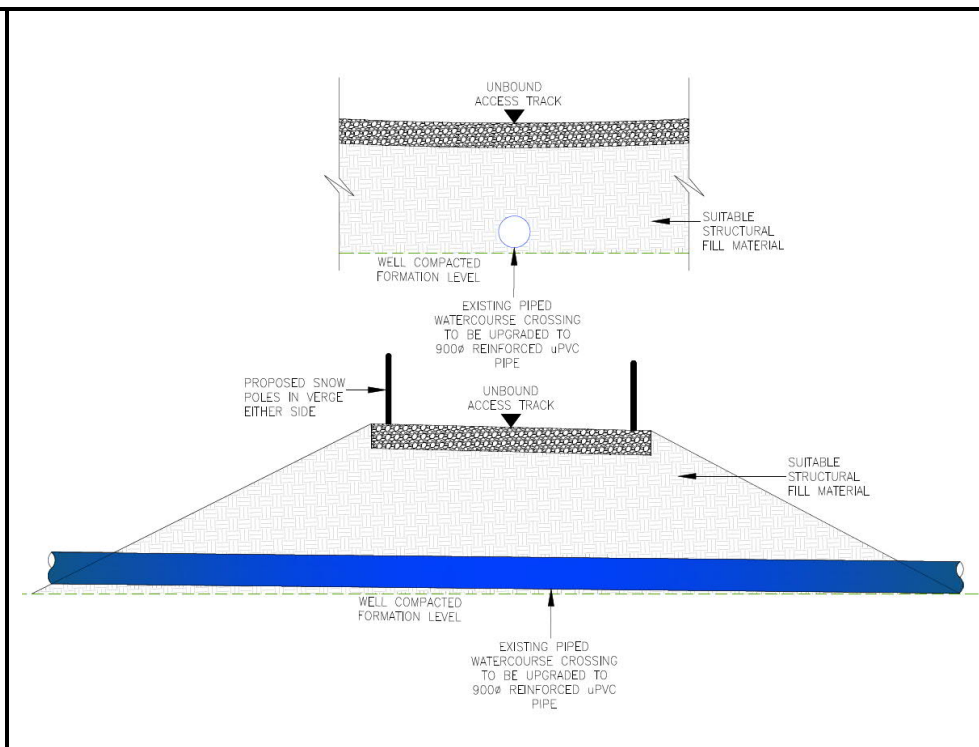


Proposed watercourse crossing location

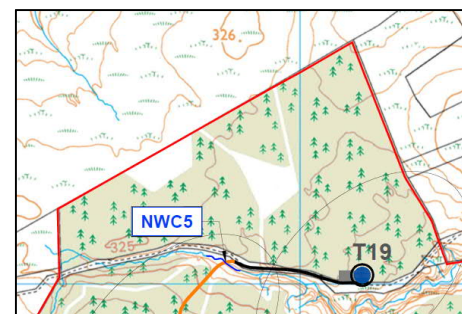


Location plan

Crossing:	New Watercourse Crossing 5 (NWC 5)
Location:	North of Standingstone Hill
Watercourse:	Existing piped watercourse crossing with discharge to Birkenhead Burn.
NGR:	NS 75775 36070
Description:	Existing watercourse crossing to be upgraded to accommodate new access track construction to T19.
Catchment Area:	1.2Ha (0.012km ²)
Crossing Type:	New access track to be formed over upgraded piped watercourse crossing to suit modern access track and drainage design standards.

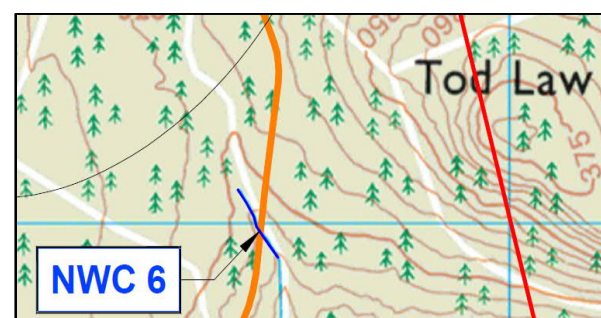
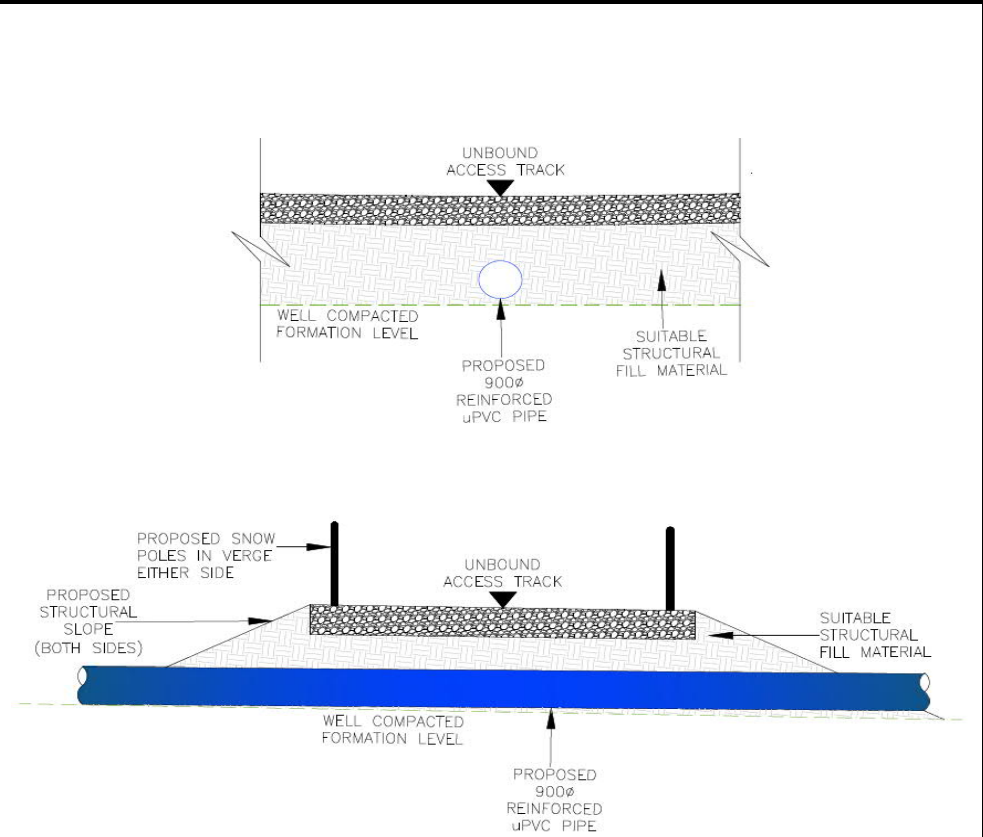


Proposed watercourse crossing location



Location plan

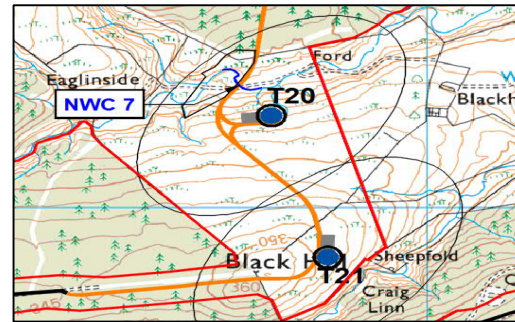
Crossing:	New Watercourse Crossing 6 (NWC 6)
Location:	South-west of Tod Law
Watercourse:	Un-named stream which flows south, discharging to the River Nethan.
NGR:	NS 76632 34990
Description:	Un-named stream with grass treatment beds approximately 2.0m wide by 1.0m high with 1:1 side slopes.
Catchment Area:	3.9Ha (0.039km ²)
Crossing Type:	New access track and piped watercourse crossing to be formed over existing stream at new track crossing point.



Proposed watercourse crossing location		Location plan
Crossing:	New Watercourse Crossing 7 (NWC 7)	
Location:	East of Eaglinside, North of Black Hill	
Watercourse:	Well defined river known as the River Nethan	
NGR:	NS 76549 34393	
Description:	Well defined river with grass treatment beds approximately 10.0m wide by 1.0m high with 1:1 side slopes known as the River Nethan	
Catchment Area:	1.6Ha (0.016km ²)	
Crossing Type:	New access track and galvanised steel bottomless arched culvert with seating rails and foundations to be formed over existing river at new track crossing point	



Proposed watercourse crossing location



Location plan

