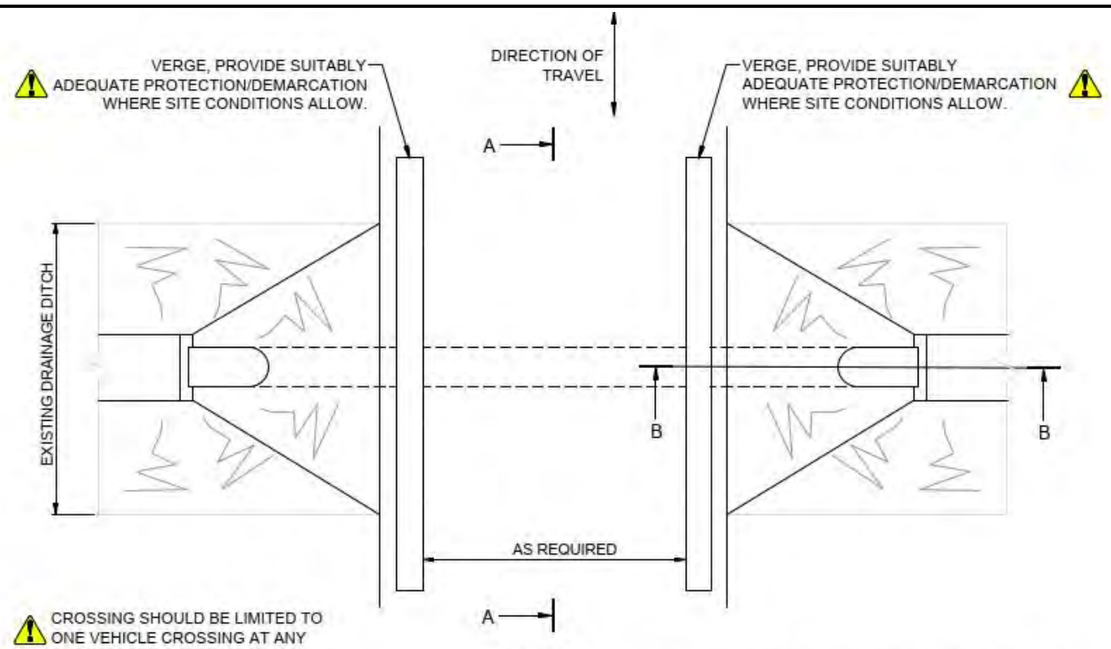
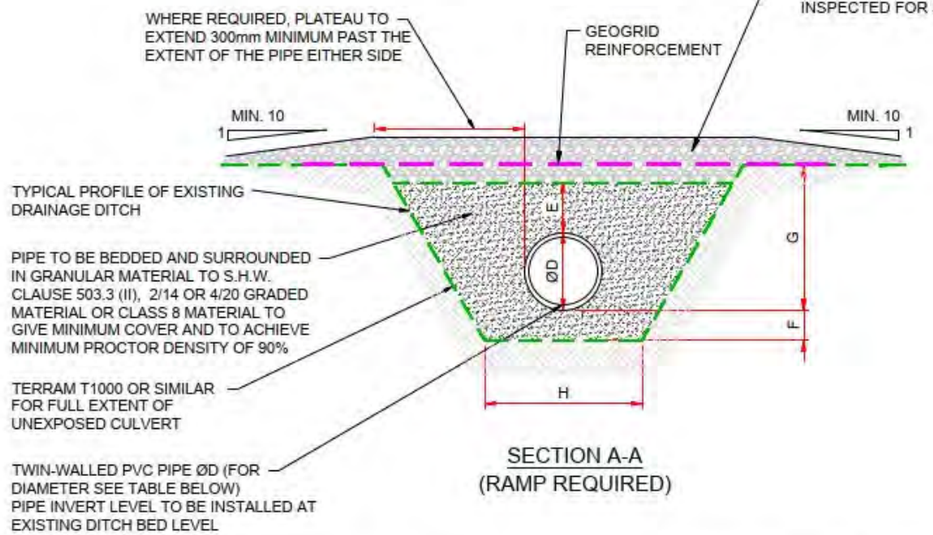
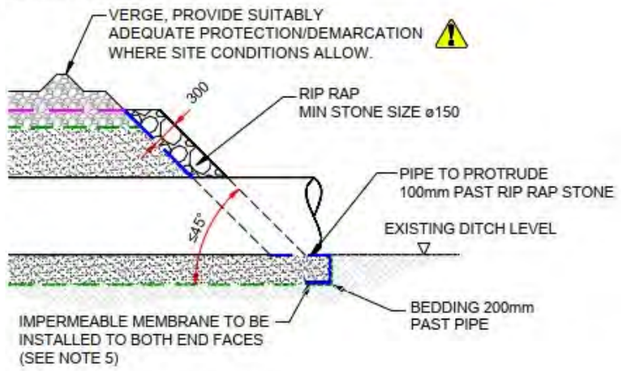
Scottish & Southern Electricity Networks
TRANSMISSION



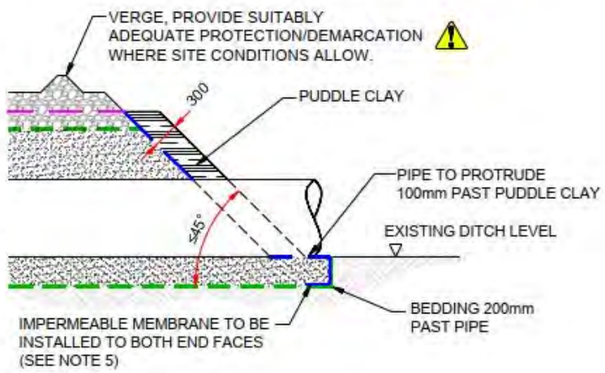
PLAN



SECTION A-A
(RAMP REQUIRED)



SECTION B-B
OPTION A



SECTION B-B
OPTION B

CULVERT DIA. 1200 (mm)	
D - PIPE - 1200	1200(ID) 1290 (OD)
E - MIN COVER	300
F - BEDDING	100
G - TRENCH DEPTH MIN.	1800
H - TRENCH WIDTH	1500

CULVERT DIA. 900 (mm)	
D - PIPE - 900	900ID) 1027 (OD)
E - MIN COVER	300
F - BEDDING	100
G - TRENCH DEPTH MIN.	1500
H - TRENCH WIDTH	1200

CULVERT DIA. 750 (mm)	
D - PIPE - 750	750(ID) 852(OD)
E - MIN COVER	300
F - BEDDING	100
G - TRENCH DEPTH MIN.	1350
H - TRENCH WIDTH	1100

CULVERT DIA. 600 (mm)	
D - PIPE - 600	591(ID) 676 (OD)
E - MIN COVER	300
F - BEDDING	100
G - TRENCH DEPTH MIN.	1100
H - TRENCH WIDTH	900

CULVERT DIA. 450 (mm)	
D - PIPE - 450	450ID) 512 (OD)
E - MIN COVER	300
F - BEDDING	100
G - TRENCH DEPTH MIN.	950
H - TRENCH WIDTH	750

CULVERT DIA. 300 (mm)	
D - PIPE - 300	300(ID) 354 (OD)
E - MIN COVER	300
F - BEDDING	100
G - TRENCH DEPTH MIN.	800
H - TRENCH WIDTH MIN.	600

KEY DIMENSIONS

NOTES

1. ALL DIMENSIONS IN mm UNLESS OTHERWISE NOTED. DO NOT SCALE, IF IN DOUBT ASK.
2. SITE TO GAIN APPROVAL FROM RELEVANT AUTHORITY/DITCH OWNER PRIOR TO INSTALLATION.
3. HYDRAULIC CAPACITY OF THE PIPE HAS NOT BEEN ANALYSED AS PART OF THIS DESIGN. IF REQUIRED, A FURTHER ASSESSMENT TO CALCULATE DESIGN FLOW RATE BASED ON LOCATION AND CATCHMENT AREA CAN BE REQUESTED.
4. MAX AXLE LOAD TO BE 12T
5. IMPERMEABLE MEMBRANE TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATION. TO VERIFY IMPERMEABLE MEMBRANE IS EFFECTIVE, CULVERT BUND SHOULD BE INSPECTED AFTER FIRST CONTACT WITH WATER TO ENSURE WASHOUT IS NOT OCCURRING.
6. EMBEDMENT OF GEOTEXTILE TO BE AS PER MANUFACTURERS INSTRUCTION.
7. ALL FILL SHOULD BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAYS WORKS SERIES 800.
8. ALL RUTS SHOULD BE FILLED DIRECTLY OVER CULVERTS TO MAINTAIN ADEQUATE COVER. THIS SHOULD BE INSPECTED REGULARLY.
9. DESIGN VALID FOR GROUND CONDITIONS OF DENSE GRANULAR MATERIAL/ FIRM CLAY OR BETTER.
10. GEOGRID TO HAVE A MINIMUM TENSILE STRENGTH OF 30kN/M
11. THE PVC PIPE IS DESIGNED WITH MINIMUM COVER AND REQUIRES A PRODUCT RING STIFFNESS CLASS OF 6kN/M2.

Not to Scale @ A3

Project: Beauly to Blackhillock to New Deer to Peterhead 400kV OHL Project

Title: Figure 3.8 - Typical Watercourse Crossing Sections

Drawn by: SH Date: 14/01/2025

Drawing: B2P-WSP-DA-70092380-103