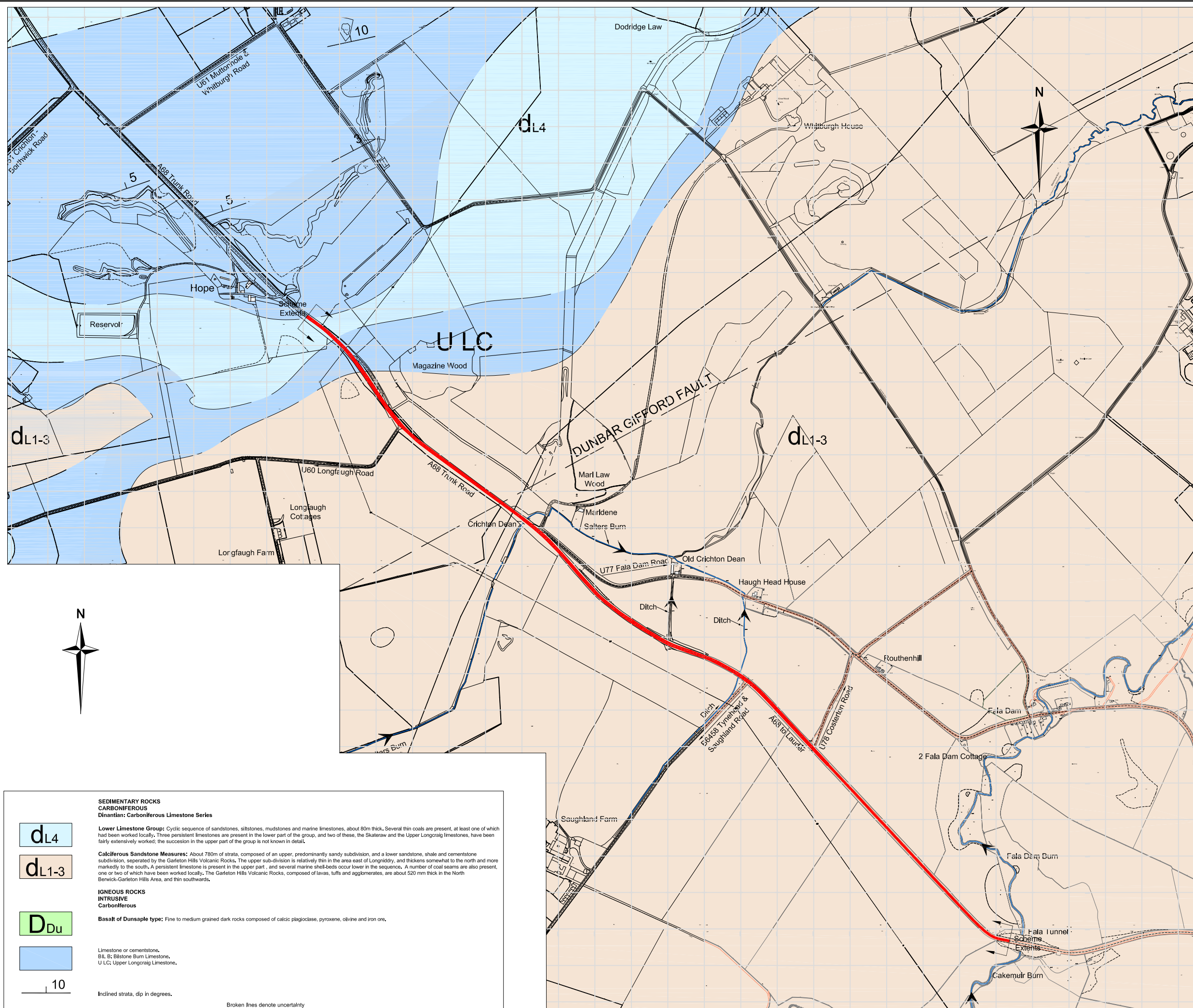


Figure 14.1

Note: Geological information shown on this drawing has been transcribed from original BGS plan as accurately as possible. For actual extent of features and further details refer to 'Haddington Sheet 33W & part of 41'.

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SEDIMENTARY ROCKS
CARBONIFEROUS
 Dinantian: Carboniferous Limestone Series

dL4
 Lower Limestone Group: Cyclic sequence of sandstones, siltstones, mudstones and marine limestones, about 80m thick. Several thin coals are present, at least one of which had been worked locally. Three persistent limestones are present in the lower part of the group, and two of these, the Skateraw and the Upper Longraig limestones, have been fairly extensively worked; the succession in the upper part of the group is not known in detail.

dL1-3
 Calciferous Sandstone Measures: About 780m of strata, composed of an upper, predominantly sandy subdivision, and a lower sandstone, shale and cementstone subdivision, separated by the Garleton Hills Volcanic Rocks. The upper sub-division is relatively thin in the area east of Longliddry, and thickens somewhat to the north and more markedly to the south. A persistent limestone is present in the upper part, and several marine shell-beds occur lower in the sequence. A number of coal seams are also present, one or two of which have been worked locally. The Garleton Hills Volcanic Rocks, composed of lavas, tuffs and agglomerates, are about 520 mm thick in the North Berwick-Garleton Hills Area, and thin southwards.

IGNEOUS ROCKS
INTRUSIVE
 Carboniferous

D_{Du}
 Basalt of Dunsaple type: Fine to medium grained dark rocks composed of calcic plagioclase, pyroxene, olivine and iron ore.

Limestone or cementstone.
 BIL B: Bilstone Burn Limestone.
 U LC: Upper Longraig Limestone.

10
 Inclined strata, dip in degrees.
 Broken lines denote uncertainty

B	Scheme Extents Added	AS	ED	ED	July 07
A	Extents of scheme amended	MP	PF		6/05
REV	REVISIONS	BY	CHKD	APPD	DATE

AMENDMENTS

CLIENT
 An agency of SCOTTISH EXECUTIVE

ENGINEER
 mp

IN ASSOCIATION WITH
 ABERDEENSHIRE COUNCIL, DUMFRIES & GALLOWAY COUNCIL,
 SCOTTISH BORDERS COUNCIL, SIAS AND YOUNG ASSOCIATES

DRAWING ORIGINATOR

PROJECT TITLE
A68 Pathhead to Tynehead Junction Improvement Scheme

DRAWING TITLE
Solid Geology Plan

SCALE: A1 1:5000 A3 1:10000

DESIGN BY:	P Frankland	CHECKED BY:	P Frankland
DATE:	14/05/04	DATE:	17/05/04
DRAWN BY:	K Knox	APPROVED BY:	
DATE:	14/05/04	DATE:	

<input checked="" type="checkbox"/>	DRAFT	<input type="checkbox"/>	PRELIMINARY	<input type="checkbox"/>	TENDER	<input type="checkbox"/>	CONTRACT
PROJECT NUMBER	DS03.115	DRAWING NUMBER	17	REV	B		