

Volume 5: Appendix 3.5 - Public Road Improvement Works

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LIST OF ABBREVIATIONS

Acronym / Abbreviation	Definition
AWI	Ancient Woodland Inventory
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
HER	Historic Environment Record
LB	Listed Building
LEPO	Long-Established of Plantation Origin
LNCS	Local Nature Conservation Site
NIDL	Non-Inventory Designed Landscape
OHL	Overhead Line
PRI	Public Road Improvements
PWS	Private Water Supply
SAC	Special Area of Conservation
SEPA	Scottish Environment Protection Agency
SM	Scheduled Monument

1. INTRODUCTION

- 1.1.1 Public Road Improvements (PRI) will be required alongside the Proposed Development to facilitate construction traffic. Indicative locations are known; however, exact locations will be confirmed by the Principal Contractors as design progresses. It is proposed that any improvements required will be undertaken as works ancillary to the Proposed Development; accordingly, deemed planning permission is sought for these works under Section 57(2) of the Town and Country Planning (Scotland) Act 1997 ('the Planning Act'). The Applicant considers that details of the works and detailed construction designs could be appropriately secured at a future time by way of planning condition requiring the further approval of the Planning Authority. The purpose of this appendix is to provide information on the potential public road improvement works required for the Proposed Development, including indicative locations where the works are likely to be carried out and a preliminary appraisal of potential environmental constraints.
- 1.1.2 Information outlining the potential environmental constraints has been reviewed from desk-based publicly available sources and baseline data collected for surveys undertaken for the EIA (where available), in the locations of the indicative PRI works. This is included within this appendix and is presented in **Table 3.5.1: Potential Constraints for Indicative Public Road Improvement Works**. This information highlights constraints under hydrology, natural heritage, land use and cultural heritage topics in order to provide a high-level review of potential constraints for the PRI works that have the greatest potential to create significant effects.
- 1.1.3 The 'PRI Reference(s)/Group' column in **Table 3.5.1: Potential Constraints for Indicative Public Road Improvement Works** groups the PRI works into geographic clusters to allow for ease of analysis. The 'Location' column identifies the public road number and the approximate location of the PRI group. The 'Figure Reference' column notes where the PRI group can be found in the associated **Volume 3, Figures 3.8.1 to 3.8.19: Indicative Public Road Improvement Works**. The 'Type of PRI' column notes the total number of indicative passing places considered, and whether it includes any other road improvements. The 'Constraints' column sets out the key environmental constraints which have been identified in the immediate vicinity of the PRI works in each group.
- 1.1.4 It should be noted that the 'PRI Reference(s)/Group' column includes the start point and end point of the PRI geographic group/cluster. In some instances, the quantity of passing places identified in the 'Type of PRI' column does not align with the number of passing places one may expect to see based on the alphanumeric range specified in the 'PRI Reference(s)/Group' column. This is because there are more or less passing places between the start and the end point of the grouping than the numbering would suggest where passing places have been removed following further review, or where the referencing system has been changed. For example, the PRI grouping of U364-8 to U364-15 includes four indicative passing places in total; however, the alphanumeric range specified would suggest that there should be eight passing places in this group. This can be more clearly seen while reviewing the table in conjunction with the accompanying figures.
- 1.1.5 This appendix is supported by the following:
- **Figures 3.8.1 to 3.8.19: Indicative Public Road Improvement Works (EIAR Volume 3);** and
 - **Confidential Annex to Appendix 3.5: Public Road Improvement Works**
 - The Confidential Annex contains information relating to the location of protected species that cannot be made available to the public.

Table 3.5.1: Potential Constraints for Indicative Public Road Improvement Works

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
Section A				
U322-17 to U322-20	U322, west-southwest of Tealing	Figure 3.8 Indicative PRI Works – Drawing 3.8.2	Three Indicative Passing Places between a stretch of road and the junction between the U322 and the C6	U322-17 is located in a Scottish Environment Protection Agency (SEPA) mapped surface water flood risk area. U322-17 and U322-18 are located in a surface water buffer for a roadside watercourse. The nearest residential receptor to the group of passing places is Cross Roads Cottage, 70 m north of U322-20.
C6-5 to C6-10	C6, west of Tealing	Figure 3.8 Indicative PRI Works – Drawing 3.8.2	Six Indicative Passing Places between the junction between the C6 and the U322, and a stretch of the C6	C6-9 is located within a SEPA mapped surface water flood risk area buffer. C6-9 is located east of a site of archaeological and cultural heritage interest listed on the Historic Environment Record (HER), a farmstead and Category C-Listed Building (LB17449), Balkemback Farmhouse (NO33NE0052). C6-8 is located on the far side of the road from the residential property at 2/3 Balkemback, to the north.
U322-23 to U322-27	U322, west-northwest of Tealing	Figure 3.8 Indicative PRI Works – Drawing 3.8.2	Four Indicative Passing Places between the junction between the U322 and the C6, and Coldstream	U322-24 is within a SEPA mapped surface water flood risk area buffer. U322-27 is located within between residential properties on either side of the road, Tangusdale and Hillside.
U360-2-4 to U360-4	U360 east of Glamis	Figure 3.8 Indicative PRI Works – Drawing 3.8.3	Five Indicative Passing Places on a stretch of the U360	U360-2-4 and U360-2-3 are both situated east of a woodland, which runs to the roadside edge, designated as a Local Nature Conservation Site (LNCS) (Glamis Den and Hunter's Hill) and woodland designated as Long-Established of Plantation Origin (LEPO) on the Ancient Woodland Inventory (AWI). The passing place closest to a property is U360-2-4 which is located at the roadside of Plans of Thornton.
Section B				
U364-8 to U364-15	U364 south from the A926	Figure 3.8 Indicative PRI Works – Drawing 3.8.4	Four Indicative Passing Places and a Junction Improvement on the U364 between	None.

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
			Dean Water and the A926	
C22-1 to C22-5	C22 west of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.4	Five Indicative Passing Places on a stretch of the C22 to the south west of the junction with the A926	C22-1 is situated at the road edge where North Mains of Ballindarg is located, a site of archaeological and cultural heritage interest listed on the HER (NO45SW0032). C22-1 is located near seven Category B Listed Buildings associated with the North Mains of Ballindarg, the closest of which is located approximately 260 m to the west. C22-5 is situated in a watercourse buffer.
U373-3 to U373-14	U373 northwest of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.4/5	Nine Indicative Passing Places and Road Widening for 3,176m on the U373 between the A926 and the A90	The road widening along the U373 runs along the boundary with a site of archaeological and cultural heritage interest listed on the HER (NO45SW0027). Proposed road widening crosses the Black Burn at the location of an existing bridge as well as the associated surface water flood risk area. U373-6 and U373-7 are all located south of a woodland designated as Long-Established of Plantation Origin (LEPO) on the Ancient Woodland Inventory (AWI) (NO422526). U373-14 is located within a PWS buffer.
U370-2 to U370-18	U370 north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.5	10 Indicative Passing Places between the junction between the C32 and the U370 and the south west, and Road Widening for 1,839m	U370-15, U370-17 and U370-18 are adjacent to a roadside watercourse, while U370-13 is within the buffer area for a field drain. U370-3 and road widening works crosses a site of archaeological and cultural heritage interest listed on the HER, Roman Road Crop Marks (NO45NE9910). The existing access road runs through the line of the possible Roman road. U370-11 to U370-17 as well as road widening works are on the road which runs through the Battledykes, Roman Camp Scheduled Monument (SM2308), which is also listed as a site of archaeological and cultural heritage interest on the HER (NO45NE0012). U370-17 and U370-18 are both located adjacent to a woodland designated as LEPO on the AWI (NO462560). U370-13 is located on the roadside at residential property Battledykes Farm Cottages, and U370-15 is at the roadside by Paddock Cottage. The road widening passes both properties, and also Westwood.
B957-12 to B957-20	B957, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.5	Nine Indicative Passing Places from the junction between the C32 and B957, running to the south west	B957-16 is located in the outermost SEPA flood buffer for the River Esk, while B957-20 is in the river extent for the River Esk (2080s High Emissions, 67th percentile). The River South Esk Special Area of Conservation (SAC) is located within approximately 30 m north of the B957 at the closest point. There is also broadleaved riparian woodland alongside the north of the B957 public road from the indicative passing place B957-15 to B957-17, and further broadleaved woodland to the south of the B957 from passing place B957-18 to B957-29.

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
C32-1 to C32-10	C32, north of the A90	Figure 3.8 Indicative PRI Works – Drawing 3.8.5	Eight Indicative Passing Places between the River South Esk and the junction with the B957	C32-1 to C32-3, C32-9 and C32-10 are located within surface water buffers. C32-7 is situated between two woodland blocks designated as LEPO on the AWI (NO462560) and (NO467563). C32-9 is located 25 m north of a woodland designated as LEPO on the AWI (NO462560). C32-10 is located to the east of two sites of archaeological and cultural heritage interest listed on the HER: Justinhaugh Station (NO45NE0101) and Quarryhill (NO45NE0040). C32-3 is at the roadside of three residential properties, Bogindollo farm cottages. C32-10 is at the roadside of Dalziel
B957-21, B967-22, C32-12 and C32-13	B957, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.5	Four Indicative Passing Places on the north side of a crossing of the River South Esk.	C32-12 is located within the river extent of the River South Esk (2080s High Emissions, 67th percentile). C32-12 and C32-13 are located within the boundary of the River South Esk SAC. B957-22 is located on the roadside of eight residential properties that sit to the northeast.
C32-14 – C32-20 and U408-1	C32, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.5/6	Six Indicative Passing Places from the riverside of River South Esk, to the junction between the C32 and the C31.	C32-20 is located within the buffer for Bog Burn and the associated flood risk. C32-15 is within the surface water buffer area for a roadside watercourse. C32-15 is located along the boundary of a woodland designated as LEPO on the AWI (NO455577). C32-20 is on the roadside of the residential property at Baldoukie House.
C31-45 to C31-51	C31, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.5/6	Seven Indicative Passing Places from the junction of the C31 and C32, towards the west	C31-45 and C31-46 are located within the surface water buffer for Bog Burn. C31-51 is located on the road where a site of archaeological and cultural heritage interest listed on the HER extends to the road edge, Inshewan which is a designed landscape (NO45NW0072). C31-47 and C31-48 are located on the roadside at an area of woodland designated as LEPO on the AWI (NO452584). C31-46 is located at the access of Eskview and Joiners Cottage.
C31-1 to C31- 14	C31, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.6	Nine Indicative Passing Places from the junction of the C31 and C32, towards the east	C31-1 is located the associated flood risk area for Bog Burn, as well as the watercourse buffer. C31-1 is on the roadside where a site of archaeological and cultural heritage interest listed on the HER extends to the road, Baldoukie Quarries (NO45NE0066).C31-13 is located within the boundary of a site listed on the HER (NO46SE0017), standing stones, St Ninians Well. C31-8 is adjacent to an area of woodland designated as LEPO on the AWI at NO470594. C31-5 is on the roadside at the residential property at Fidlerswell.C31-7 is on the roadside at Knowe Cottage.

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
U406-3 to U406-12 B957-23 to B957-25	U406 to Junction of B957, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.6	10 Indicative Passing Places from the A90 north to the C31	U406-3 and U406-7 are located in watercourse buffers. It is also located 30 m north of two cultural heritage assets listed on the HER (NO45NE0037 and NO45NE0024). U406-7 is located adjacent to a site of archaeological and cultural heritage interest listed on the HER, Easter Balgillo (NO45NE0016). U406-3 is located adjacent to a site of archaeological and cultural heritage interest listed on the HER, Farmhouse and Farmstead, Nether Balgillo (NO45NE0090). B957-25 is within a regionally Significant site of archaeological and cultural heritage interest listed on the HER, a Roman Temporary Camp, Finavon (NO45NE0021), a cultural heritage asset listed on the HER (Smithy Cottage, NO45NE0092) and is located 20 m south of the Category C Listed Building Smithy and House, Finavon (LB44924). B957-23 to B957-25 are all located on the boundary of a woodland designated as LEPO on the AWI (NO491576). The passing places are located adjacent to Tannadyce House NIDL. B957-25 is located at the access to the residential properties at Smiddy Cottage and West Howmuir. B957-23 is located on the road between residential properties Woodlands Cottage and 3 Cadgers Path. U406-7 is located at the access to The Cottage and Balview at Easter Balgillor.
C31-15 to C31-44	C31 north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.6/7	21 Indicative Passing Places and a small area of road widening from Noran Water to the junction between C31 and the C33	C31-15, C31-16, C31-37, C31-38 are located in watercourse buffers. C31-16 is located at the roadside where a cultural heritage asset is listed on the HER (NO46SE0014), record of a well, St Ninians Well. C31-30 and C31-31 are located 35 m north of the Law of Windsor Scheduled Monument (SM3375). C31-43 is located on the roadside where the designation for Careston Castle NIDL (NO55NW0115) ends. C31-15 is located 20 m south of Noran Water (a tributary of the River South Esk) which is designated as an SAC. C31-26, C31-27 and C31-29 are located adjacent to a woodland block designated as LEPO on the AWI at Roughmount Wood (NO501607). C31-16 is located at the access to residential properties Wellford Farm Cottages. C31-35 is located between two residential properties, Hillhead Farm and Hillhead Cottage.
U413-1-1 to U413-11 and U413-1 to U413-11	U413, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.6	14 Indicative Passing Places and Road Widening from the C31 along two tracks that converge and lead to the C30	The road widening works in this area are within six watercourse buffers. Passing places U413-3, U413-5, U413-7, U413-9 and U413-11 are also within watercourse buffers. U413-9 and U413-10 as well as areas for proposed road widening, are situated adjacent to multiple sites of archaeological and cultural heritage interest listed on the HER including, a former manse (NO46SE0045), a church, a graveyard (NO46SE0006), and a fern (NO46SE0008). U413-10 is situated 20 m northeast of a Category C Listed Building, consisting of an Old Parish Church and Churchyard (LB12327).

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
				U413-1 and U413-2 as well as proposed areas for road widening are within an area of woodland located to the east, designated as LEPO on the AWI (Roughmount Wood). U413-3 to U413-5 and the area proposed for road widening intersects with a woodland block designated as LEPO (Oak/Redford Woods). U413-11 is located at the access for residential properties at The Old Schoolhouse and Library House.
U412-1 to U412-10	U412, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.6	Seven Indicative Passing Places located between the C31, and the junction between the U412 and the C30	U412-6 is located within a watercourse buffer which lies to the north of the road. U412-3, U412-2 and U412-1 are located on a stretch of the U412 bisects a woodland designated as LEPO on the AWI, Drumcuthlaw Wood (NO470610). U412-1 is located at the roadside of a site of archaeological and cultural heritage interest listed on the HER (NO46SE0033), Farmstead, Noranpark. U412-1 is located at the access to two residential properties at Woodend House. U412-3 is located at the junction with Woodlands Avenue where 1A Woodlands Avenue is close to the road edge.
C30-21 to C30-60	C30, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.6/7	39 Indicative Passing Places from the junction between the U412 and the C30, to the junction between C33 and the C30.	C30-30, C30-38, C30-44, C30-55, C30-57 and C30-60 are located in the buffer for watercourses. C30-25 and C30-27 are located within the boundary of a site of archaeological and cultural heritage interest listed on the HER (NO46SE0002), Cairn, Drumcuthlaw. C30-35, C30-36 and C30-37 are located on the boundary of two sites of archaeological and cultural heritage interest listed on the HER (NO46SE0040 and NO46SE0065), cropmarks of rig and furrow on the west side of the road and a farmstead on the east side of the road. C30-39 is located within the area of an archaeological and cultural heritage interest listed on the HER, standing structure, Shandford Farmstead (NO46SE0066) which straddles the road. C30-43 and C30-44 are situated either side of a heritage asset listed on the HER, a farmstead with document record only (NO46SE0059). C30-57 is located on the roadside of a cultural heritage asset listed on the HER to the north of the road, Balconnel farmstead (NO56SW0074), which is also a Category C listed building. C30-21 to C30-27 are on the boundary of, or within the boundary for woodland designated as LEPO on the AWI Drumcuthlaw Wood (NO470610). C30-46 located 20 m south of a woodland designated as LEPO on the AWI (NO510642). C30-30 and C30-31 are both located at the access locations for to a cluster of residential properties, the closest being Post Office House and Smithy. C30-37 is located at the access for the residential property at Balquharn Farm. C30-39 is located on the roadside at the residential property at Shandford Lodge. C30-46 is located at the access of the residential property at Bogton Farm. C30-55 is located adjacent to two residential properties that sit to the north, 1 and 2 Balhall Crescent.
C33-1 to C33-26 and Road Widening	C33, north of Forfar	Figure 3.8 Indicative PRI	23 Indicative Passing Places	C33-6, C33-8, C33-9, C33-10, C33-14, C33-16, C33-17, C33-19 and C33-20 are in watercourses buffers. C33-11, C33-12 and C33-13 are in the buffer for a PWS at Findowrie Farm.

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
		Works – Drawing 3.8.7	from the A90 north to the C30.	C33-19 is located in the buffer area for Cruick Water and is located within the associated surface water flood risk area. C33-8 is located on the boundary of a site of archaeological and cultural heritage interest listed on the HER, remains of Careston Station (NO56SW0027), remains of the railway station. C33-12 is located on the boundary of a site of cultural heritage interest listed on the HER for a former farmstead (NO56SW0072). The location proposed for road widening is situated within the boundary of a site of archaeological and cultural heritage interest listed on the HER, Crop Field (NO56SE0070). C33-16 is adjacent to a heritage asset listed on the HER as well as a Category C Listed Building, the Lochty Free Church and Menmuir (NO56SW0080). C33-19 is located north of a Category C Listed Building, the Blackhall Mill Lade Bridge. C33-17 is located within the boundary of a site of archaeological and cultural heritage interest listed on the HER, standing structure, Menmuir Farmhouse which is still in use (NO56SW0098). C33-14 is located on the boundary with a woodland designated as LEPO on the AWI (NO538620). C33-2 to C33-5 are located on the boundary with the Careston Castle NIDL. (NO55NW0115). C33-3 is located on the roadside at the residential property at Craigneuk Cottage. C33-12 is located on the roadside at 1 Mountboy Steading. C33-16 is located at the roadside of Kirkside of Lochty. C33-17 is located at the roadside of Lochty Farm, Menmuir. C33-26 is located adjacent to one residential property that sits to the east at Balfour Lodge.
C30-62 to C30-71	C30, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.7	Nine Indicative Passing Places heading east from the junction between the C30 and the C33	C30-63 is located 10 m east to a SEPA mapping surface water flood risk area. C30-64 is located within a SEPA mapping surface water flood risk area. C30-67 and C30-68 are located adjacent to multiple cultural heritage assets listed on the HER to the north of the road relating to Tigerton, and with a designation as a Category C listed building (NO56SW0081, NO56SW0092 and LB51610) along with a war memorial (NO56SW0073). C30-62 is located adjacent to a site of archaeological and cultural heritage interest listed on the HER, cropmarks of a possible souterrain and rig and furrow. C30-68 is located adjacent to a residential property to the northwest, Tigerton House, C30-67 is adjacent to West Cottage
U415-3 to U415-4	U415 north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.7	Two Indicative Passing Places from the junction between the C33 and the U415	None.

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
Section C				
U417-10 to U417-4	U417, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.7	Six Indicative Passing Places and Road Widening off the junction of the C30 heading south down the U417.	U417-8 and U417-7 are both adjacent to two watercourses, including the Buttery Burn, and associated SEPA mapped surface flood risk areas. U417-10 is located adjacent to a woodland designated as LEPO on the AWI (Burnside Wood) (NO559637) which is located to the west along the roadside edge. U417-8 and U417-7 are located adjacent to woodland designated as LEPO on the AWI, the woodland is located on both sides of the road (Keeper's/Belliehill Wood). The area proposed for road widening intersects two areas of woodland designated as LEPO on the AWI located at NO559637 (Burnside Wood) and NO561633 (Keeper's/Belliehill Wood). Road widening also intersects the Buttery Burn, where there is a SEPA mapped flood risk area. U417-7 is located to the immediate north of the access to a property at U417-5 is located at the access to the residential property at Gungeon Cottage. U417-6 and U417-4 are located to the north and south of this property.
C30-1 to C30-12 U417-1-1	C30, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.7	12 Indicative Passing Places located after the junction with the U417 then heading south.	C30-2 is adjacent to a watercourse, located to the west. C30-7 is adjacent to multiple watercourses and the flood extent associated with the Buttery Burn, located to the western side of the road. U417-1-1 is adjacent to the Buttery Burn and the associated flood extent. C30-10 is located to the east of the Cruick Water and is located within the associated surface flood risk area. C30-7 and C30-8 are both adjacent to a site of archaeological and cultural heritage interest listed on the HER for cropmarks of a possible enclosed settlement (NO56SE0066) and an in-use farmstead (NO56SE0056). C30-10 is located 10 m from Listed Building Balrownie Bridge (LB17707) and is adjacent to a cultural heritage asset listed on the HER (NO56SE0055). C30-9 is adjacent to the north of a cultural heritage asset listed on the HER (NO56SE0056). C30-12 is adjacent to a woodland designated as LEPO on the AWI Little Brechin Wood (NO576630) which is located along the western side of the road. The Buttery Burn LNCS is located to the west of the road and adjacent to C30-7. C30-9 is located at the roadside at residential property Balrownie Cottage. Between C30-8 and C30-9 there are also approximately 11 properties on either side of the road. C30-2 is located adjacent to a group of houses on the southern side of the road at Balzeordie Cottages, as well as the access to a property to the north of the road at Balzeordie Farm.
U429-11 to U429-1-11	U429, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.7/8	12 Indicative Passing Places and Road Widening	U429-11 is located adjacent to a minor watercourse to the western side of the road. U429-1-5 is located adjacent to small watercourse which runs adjacent to the northern side of the road. U429-9 to U429-1-4 are all located within PWS buffer areas.

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
Road Widening from U429-9 to beyond U429-11			heading east on the U429-1	U429-11, U429-1-5, U429-1-7 and U429-9 are all located adjacent to sites of archaeological and cultural heritage interest listed on the HER, cropmarks and possible large enclosure (NO56SE0044), cropmarks (NO56SE0067), standing stone Newton of Strathcathro (NO56SE0083), cottage still in use (NO66SW0038). U429-9 and U429-10 and the area proposed for road widening works are adjacent to a woodland designated as LEPO on the AWI, Bankhead Wood which is located alongside the road to the west of the proposed works (NO582642). This area is also listed as an LNCS. U429-1-4 and U429-1-5 are sited along a road that intersects a woodland designated as LEPO on the AWI (NO595642). Both are also located adjacent to field drains. U429-1-9 is located to the immediate west of a group of four residential properties at Newton of Stracathro. U429-1-3 and U429-1-4 are located to the immediate north and south respectively of a group of three properties at Brathinch Cottages.
B966-18 to B966-24	B966, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.8	Five Indicative Passing Places heading south from the junction of the U429-1	B966-21 is located on top of Keithock Burn and the associated SEPA mapped flood risk area. B966-19 is located within the boundary of a Scheduled Monument Keithock, which is a crop marks of roman camps (SM2303). This is also listed on the HER (NO66SW0001). B966-21 is located near multiple sites of archaeological and cultural heritage interest listed on the HER, the closest of which are (NO66SW0071 and NO66SW0070). This passing place is also located adjacent to the Scheduled Monument at Keithock B966-21 and B966-22 are both located adjacent to Newtonmill House, Brechin NIDL (NO66SW0066) and Category B listed building, Newtonmill House.
C35-1 to C35-9, U429-22 to U429-24 Road Widening	C35, north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.8	Eight Indicative Passing Places and Road Widening heading west from the junction of the B966.	The area proposed for road widening, as well as U429-24, U429-23, and U429-22 are adjacent to a watercourse and flood risk area. C35-3 and C35-4 are located adjacent to Auchenreoch House NIDL (NO66NW0173). C35-4 is located at the roadside at residential property Athas House.
Road Widening Passing Place 103K-1	C2K and 103K, southeast of Edzell	Figure 3.8 Indicative PRI Works – Drawing 3.8.9	One Indicative Passing Place and Road Widening on the 103K heading east.	All areas proposed for road widening are located adjacent to a site of archaeological and cultural heritage interest listed on the HER, a WW2 airfield at Edzell (NO66NW0104). 103K-1 and the area proposed for road widening are located adjacent to a heritage asset listed on the HER, a cropmark at Gawloch (NO66NW0086). The area proposed for road widening, and 103K-1 are adjacent to and intersect two areas of woodland listed as LEPO on the AWI (Capo Plantation and Cleary Wood).
Road Widening Passing Places 103K-7 and 103K-10	103k, east of Edzell	Figure 3.8 Indicative PRI	Road Widening and Two Indicative Passing	The area for proposed road widening intersects a small watercourse. Proposed road widening and 103K-7 are adjacent to an unnamed watercourse located to the east of the road.

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
		Works – Drawing 3.8.9	Places heading north on the 103K.	Proposed road widening and 103K-10 are adjacent to a watercourse which runs alongside the road. Road widening works are located in a woodland designated as LEPO on the AWI, Inverury Wood (NO647676). Five properties are located adjacent to the northeastern area proposed for road widening.
B974-3 to B974-14	B974 north of Forfar	Figure 3.8 Indicative PRI Works – Drawing 3.8.9	Seven Indicative Passing Places heading north on the B974.	B974-14 is adjacent to a watercourse on the eastern side of the road. B974-7 is located adjacent to a property to the west of Pitgarvie Wood. This property is also listed on the HER as a cultural heritage asset, Woodside of Pitgarvie (NO67SE0066). A small watercourse is located on the eastern side of the road. All passing places (with the exception of B974-14) are adjacent to a woodland designated as LEPO on the AWI, Pitgarvie Wood (NO666707). B974-5 is located to the north of a woodland area designated as Ancient (of semi-natural origin) on the AWI (Pitgarvie Wood). B974-7 is located at the roadside at residential property Whins Farm. B974-11 is adjacent to a property located to the east.
95K Road Widening 95K-2 to 95K-5	95K, south of Fettercairn	Figure 3.8 Indicative PRI Works – Drawing 3.8.9	Road Widening and Three Indicative Passing Places heading north-east from the junction of the B974.	95K-2, 95K-3 and road widening of the 95K lie within a SEPA mapping flood risk area, associated with the Dowrie Burn that runs from northwest to southeast and sits to the southwest of the proposed passing places. Both passing places are also located adjacent to smaller watercourses. The proposed road widening crosses the Dowrie Burn and is located adjacent to multiple smaller watercourses. Road widening is adjacent to two cultural heritage assets listed on the HER: one at the western end at Craigmostenhaugh (NO67SE0044) and one in the centre which is also adjacent to 95K-3 at Dourie Burn (NO67SE0046). 95K-5 is located at the roadside at residential property Parkhouse.
B9120-3 to C9K-3	B9120, south of Fettercairn	Figure 3.8 Indicative PRI Works – Drawing 3.8.9	Four Indicative Passing Places heading east from the junction of the 95K.	C9K-3 is within with a SEPA mapped flood risk area associated with the Black Burn and its tributaries. C9K-1 and B9120-4 are located adjacent to areas of surface water flood risk. C9K-1 is adjacent to a heritage asset listed on the HER, located to the west at Haughhead (NO67SE0120). This area also contains a number of properties to the west. B9120-4 is located adjacent to one property to the southwest at North Lodge.
Section D				
108K-1 to C11K-RW-2 Road Widening	108K, south of Fettercairn	Figure 3.8 Indicative PRI Works – Drawing 3.8.9	Eleven Indicative Passing Places and Road Widening	108L-RW-1 and 108K-3 are adjacent to a cultural heritage asset listed on HER at Bent (NO67SE0125). 108L-RW-1, 108K-1 and 108K-3 are also adjacent to 11 properties at Bent Cottages.

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
			heading east from the B9120.	C11K-RW-1 is adjacent to Easthills, a site of archaeological and cultural heritage interest listed on the HER, standing structure to the east of the proposed road widening (NO77SW0113), which is also listed as a residential property. C11K-RW-2 is adjacent to a heritage asset listed on the HER at Pitnamoon (NO67SE0079) as well as five properties. C11K-7 is adjacent to two properties at Easthills Cottages. C11K-17 and C11K-16 are adjacent to two properties at East Pitnamoon.
C11K-18 to C11K-23 and Road Widening	C11K-18, south of Fettercairn	Figure 3.8 Indicative PRI Works – Drawing 3.8.10	Five Indicative Passing Places continuing north on the C11K.	Road widening between Passing Places C11K-21 to C11K-23 are adjacent to a woodland designated as LEPO on the AWI (Landends Plantation) (NO678741). The road widening also runs through a SEPA mapped floodplain associated with the Devilly Burn to the east and its tributaries. Proposed road widening and C11K-23 are located slightly to the south of one property to the east of Landends Plantation. C11K-20, C11K-19 and C11K-18 are located at the roadside to six residential properties and two sites of archaeological and cultural heritage interest listed on the HER, a Farmstead (NO67SE0079) and Cropmark (NO67SE0067) at Pitnamoon.
109K-1, C1K-10 to C1K-22	C1K north of Laurencekirk	Figure 3.8 Indicative PRI Works – Drawing 3.8.10	12 Indicative Passing Places heading north from the junction with the 108K.	C1K-22 is located to the south of the Scotch haugh Burn. C1K-16 is adjacent to a small watercourse located to the east of the road. C1K-10 to C1K-12 are within a SEPA mapped surface water flood area, that is associated with a watercourse adjacent to the western side of the road. 109K-1 is located to the southeast of a woodland listed on the AWI as LEPO (Cammackmuir Plantation). C1K-19 and C1K-18 are both located approximately 65 m to the west of a cultural heritage asset listed on the HER at Nether Coulie House (NO77NW0191).
C7K-3 to C7K-7	C7K, north of Laurencekirk	Figure 3.8 Indicative PRI Works – Drawing 3.8.10	Four Indicative Passing Places heading south from with the C1K.	C7K-3 is adjacent to a drain located to the east. All passing places are located within the floodplain associated with the Luther Water that is located to the west. C7K-7, C7K-6 and C7K-5 are close to five residential properties at Furdoun Cottages and House. On either side of the road, there are multiple cultural heritage assets listed on the HER, Mains of Furdoun Cottages (NO77NW0076), Mains of Furdoun farmstead (NO77NW0075) and finds of a gold ring and bronze dagger (NO77NW0013).
C3K-3 to 96K-10	C3K, north of Laurencekirk	Figure 3.8 Indicative PRI Works – Drawing 3.8.10/11	Eight Indicative Passing Places heading north from the junction of the 108K.	6K-3 is adjacent to a minor watercourse located to the west. 96K-10 is located adjacent to the south of the Hodden Burn. C3K-3 is located adjacent to a site of regional significance of archaeological and cultural heritage interest listed on the HER, comprising a settlement showing as cropmarks of at least 12 timber round-houses. (NO77NW0029).

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
				C3K-7 is adjacent to two heritage assets listed on the HER on the south of the road, Cropmarks of a possible pitted linear feature, possible the remains of an unenclosed settlement (NO77NW0043) and further cropmarks (NO77NW0046). C3K-6 is adjacent to a heritage assets listed on the HER Redhill Lodge House (NO77NW0181). C3K-6 is located adjacent to a LEPO on the AWI, Woods of Redhall (NO742770). C3K-3 is located at the roadside at residential property An Shee.
98K-1 and Road Widening	98K, north of Laurecekirk	Figure 3.8 Indicative PRI Works – Drawing 3.8.11	One Indicative Passing Place and Road Widening north of the 108K.	The area proposed for road widening and 98K-1 are located on Mossend Burn.
C19K-3 to 111K-11 and Road Widening	111K east of Auchenblae	Figure 3.8 Indicative PRI Works – Drawing 3.8.11	12 Indicative Passing Places and Road Widening heading north from the junction of the 96K.	Road widening interacts with all constraints listed below. 111K-7 is in an area of SEPA mapped surface water flood risk. 111K-9 is situated on top of the Hungeral Burn which is intersected by the road. 111K-6 is located within the buffer for a PWS. 111K-7, 111K-6 and 111K-8 are adjacent to a cultural heritage asset listed on the HER at Monboddie House (NO77NW0025). C19K-2 is adjacent to a cultural heritage asset listed on the HER as a cinerary urn was found in a knoll in this area in 1863 (NO77NW0008). 111K-9 is situated adjacent to a woodland area listed as LEPO on the AWI (Den Wood). C19K-1 is located at the road opening leading to Heatherbank House, Myreside, Myreside Farmhouse and Myreside Steading.
C19K-4 to C19K-22 Road Widening	C19K north of Laurecekirk	Figure 3.8 Indicative PRI Works – Drawing 3.8.11/12	Eighteen Indicative Passing Places heading east on the C19K.	The southern-most point of the area proposed for road widening crosses the Hodden Burn. C19K-4 is adjacent to the east of a small watercourse, C19K-18 is located to the west of a small watercourse and C19K-12 is adjacent to the east of a small watercourse. C19K-21 is located directly to the north of a floodplain area associated with the Bervie Water. C19K-22 is located adjacent to a watercourse which runs adjacent to the road. C19K-10 is north of a site of archaeological and cultural heritage interest listed on the HER, standing structure of a farmstead (NO77NW0208), which is currently a residential property. C19K-12 is located adjacent to the north of cultural heritage asset listed on the HER at Kinkell (NO77NW0064), which is currently a residential property. C19K-20 is located to the west of a cultural heritage listed on the HER (NO78SE0073), Bridge of Bervie, and which is also designated as a Category B Listed Building (LB9339). C19K-21 and C19K-22 are located either side of two properties adjacent to the road which is also listed on the HER as a cultural heritage asset (NO78SE0017) and to the south of a mill lade leading to the Mill of

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
				Glenbervie (NO78SE0049).C19K-19 and C19K-20 are both adjacent to a woodland designated as LEPO on the AWI (NO761802) located along the Bervie Water. They are located to the southwest of the Bervie Water.
75K-1 to 75K-15 Road Widening	75K east of Drumlithie	Figure 3.8 Indicative PRI Works – Drawing 3.8.11/12	15 Indicative Passing Places and Road Widening heading north from the junction of the C19K.	There is a small watercourse to the west and east of the road. 75K-13, 75K-14 and 75K-15 and the area proposed for road widening are adjacent to a watercourse which runs parallel to the road to the east. 75K-8 and the area proposed for road widening are adjacent to a watercourse which runs parallel to the road to the east. 75K-13 and the proposed road widening intersect a heritage asset listed on the HER at Wester Cotbank, farmstead (Goosecruives, NO78SE0111). 75K-10 and the proposed road widening are on the boundary with a woodland designated as LEPO on the AWI (NO757825). To the immediate south of 75K-10 and adjacent to the east of the proposed road widening, is a cultural heritage site listed on the HER at Backfield cottage (NO78SE0120). To the west of the proposed road widening is a heritage asset listed on the HER, Droop Hill, (NO78SE0068). Wood of Germany is located to the west of the area proposed for road widening. 75K-13 is located at the roadside at residential property Wester Cotbank.
73K-1 to 73K-11 Road Widening	73K north of Drumlithie	Figure 3.8 Indicative PRI Works – Drawing 3.8.12	10 Indicative Passing Places and Road Widening heading east from the junction of the 75K.	73K-3 and 73K-5 are located within the buffer of a reported PWS source. West of Jacksbank, part of the proposed road widening intersects with SEPA mapped areas for surface water flooding. 73K-3 is sited adjacent to a heritage asset listed on the HER to the north of the road, flint arrowhead found at Jacksbank (NO78SE0005). 73K-3 is located at the roadside at residential property Jacksbank Farm.
72K-24 Road Widening	72K north of Drumlithie	Figure 3.8 Indicative PRI Works – Drawing 3.8.12	One Indicative Passing Place and Road Widening heading south from the C1K.	72K-24 is located adjacent to the south of a watercourse. To the southwest of Quithel Cottage, at the northern end of proposed road widening five cultural heritage assets are listed on the HER for a former settlement (NO78SE0059, NO78SE0056, NO78SE0057, NO78SE0058 and NO78SE0055).
C1K-24 to C1K-56	C1K east of Drumlithie	Figure 3.8 Indicative PRI Works – Drawing 3.8.12	22 Indicative Passing Places heading east from a junction on the C1K.	C1K-26 is located in a SEPA mapped surface water flood risk area for with Cleuch Burn which is located to the west. C1K-36 is adjacent to a drain which is located to the immediate north of the road. C1K-48 is adjacent to a drain located to the west which poses a SEPA mapped surface water flood risk to the west. C1K-40 is located west of a watercourse (Burn of Annamuick) which runs from the northwest to southeast south between C1K-39 and C1K-40, this results in the Passing Point being situated in a SEPA mapped flood risk area and associated watercourse buffers. C1K-45 and C1K-48 there is a LNCS (Elfhill) located approximately 90 m to the south of these passing places.

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
				C1K-24 and C1K-25 are located adjacent to a woodland designated as LEPO on the AWI, Wood of Germany (NO761838). C1K-30 is located adjacent to four residential properties, 1-4 Hillview Cottages, C1K-40 is adjacent Nether Quithel Cottage, C1K-39 is adjacent to four properties, 1-2 Annamuick Cottages, Downswell Cottage and Clerkswell Cottage and C1K-37 is adjacent to Nether Quithel Cottage.
C1K-57 to C1K-73	Continuation of previous road, C1K north of Drumlithie	Figure 3.8 Indicative PRI Works – Drawing 3.8.17	10 Indicative Passing Places heading south along the C1K.	To the north of C1K-57 is a watercourse (Burn of Baulks) which crosses the road to the east of C1K-59. C1K-68 lies between Bogs Burn to the west and a field drain to the east. Bogs Burn also has associated SEPA mapped surface flood risk areas. C1K-65 is located to the east of a field drain which is situated on the northern side of the road. C1K-69 and C1K-70 are located alongside a field drain which runs along the road to the north of both of these passing places. To the east of C1K-65 lies one cultural heritage asset listed on the HER at North Lodge which is a standing structure (NO88NW0103). C1K-73 is adjacent to the north of a scheduled monument, Unenclosed settlement, Kirkton of Fetteresso (NO88NE0038) (SM5449). C1K-63 is located to the north of a woodland designated as LEPO on the AWI, Cragies Wood (NO837852). C1K-68 is also situated on the eastern edge of a block of woodland listed as LEPO on the AWI (Bellwandars Wood). C1K-69 and C1K-70 are both located within a woodland designated as LEPO on the AWI (NO846863).
Section E				
PP299 to PP316 Junction Improvement	Road heading north off Slug Road through Slug Wood	Figure 3.8 Indicative PRI Works – Drawing 3.8.13	17 Indicative Passing Places and One Junction Improvement heading northwest from a junction on the A957 (Slug Road)	PP316 is located within the buffer of a reported PWS source. There is a minor watercourse (Clash Burn) which passes under the road flowing in a northeast-southwest direction just south of PP313. There is a field drain passing along the woodland at PP309 and there is a minor watercourse Calladrum Burn running alongside the eastern side of the road at PP306 to PP304. The burn passes under the road just south of PP306. All these watercourses have associated buffers. PP316 to PP310 are located on the existing road passing through woodland. PP315 to PP311 are on the boundary with an area that is designated as LEPO on the AWI, Slug Wood (NO769919). Woodland on the eastern side of the road is registered on the National Forestry Inventory (Cairn-mon-earn Wood and Mundernal Wood). PP310 has woodland on the eastern side of the road only and PP309 is located on the edge of the woodland, PP308 to PP299 are not within the woodland. PP306 is located adjacent to the residential properties of Inchloan Steadings, PP316 is located adjacent to a property, Monearn Lodge
PP298 to PP258	Continuation of previous Road, heading northeast.	Figure 3.8 Indicative PRI Works –	53 Indicative Passing Places	A minor watercourse Calladrum Burn passes between PP291 and PP292 flowing under the road and so has associated watercourse hydrology buffers and flood risk.

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
		Drawing 3.8.13/14	heading northeast.	There is a surface water drain at PP284 which flows alongside the road and then passes under the road at the proposed passing place location. There is associated hydrology buffers and flood risk. There is a minor watercourse which passes under the road just to the north of PP278 and there are surface water drains flowing along and parallel to the west side of the road between PP278 and PP034, both which have associated hydrology buffers and flood risk. PP272 is located at a site of archaeological and cultural heritage interest as listed on the HER, a standing structure (NO79NE0181). 10 m east of PP292 there is a site of archaeological and cultural heritage interest listed on the HER, Flabbits Farm artefact (Roman bronze pot found) (NO79SE0007). PP279 and PP278 are located adjacent to Strathie Wood, designated as LEPO on the AWI (NO786946), located on the south side of the road. PP277, PP276 and PP275 is adjacent to woodland designated as LEPO on the AWI Woodlands of Durris Wood (NO784955), located on the north side of the road. PP030 and PP270 to PP266 are at the boundary with a woodland designated as LEPO AWI to the south of the road Clune Wood (NO793961), to the north sits Durris House a Non-Inventory Designed Landscape (NO79NE0068). Further along the road PP265 to PP262 also are located at the boundary with this NIDL. PP261 and PP260 are at the boundary with a woodland to the north designated as LEPO AWI NO797968 and Durris House NIDL. In between PP291 and PP292 and to the north of the road is an area of LEPO on the AWI (NO772943). In between PP287 and PP286 there is a residential property located on the north side of the road Calladrum Farm. PP283 is located adjacent to Calladrum Cottage which is located to the north of the road, PP281 is located adjacent to two properties located at Meikle Tulloch adjacent to the south side of the road, 258 is adjacent to Melrose Cottage and PP271 to PP274 are all located adjacent to the village of Durris where residential properties and Durris Primary School are located to the north side of the road.
PP257 to PP220	Continuation of Previous Road, heading east.	Figure 3.8 Indicative PRI Works – Drawing 3.8.18	37 Indicative Passing Places heading east and ending at a junction on the B979.	PP243, PP252, PP226 and PP037 are within surface water buffers. PP225 is located in a surface water flood risk zone and a buffered watercourse exists along the eastern edge of the road. Between PP257 and PP256 lies a now destroyed L-shaped croft, listed on the HER (NO89NW0060). Between PP254 and PP253 there is a site of archaeological and cultural heritage interest listed on the HER on either side of the road, for a now destroyed rectangular building (north of the road) and a standing T plan cottage (NO89NW0062). PP251 is on the boundary of a site of archaeological and cultural heritage interest listed on the HER, standing structure, the Denside Crofts and Smithy (NO89NW0162). PP247, PP246 and PP245 are on the boundary of a NIDL, Durris House (NO79NE0068). PP243-PP241 are within the boundary of a HER, a site of cairns, which have since been removed in the field to the north side of the road (NO89NW0011).

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
				Adjacent to a PP236 there is a HER for small building from 1867 which has since been removed and replaced by an existing residential property by the side of the road (NO89NW0070). PP235 is located adjacent to a site of archaeological and cultural heritage interest listed on HER, standing structure of a farmstead at Muirskie to the south of the proposed passing place (NO89NW0069). The site includes four residential properties. PP225 is located 20 m south of a site of archaeological and cultural heritage interest listed on the HER, a standing structure of a farmstead (NO89NW0132). Between PP221 and PP220 there is a site of archaeological and cultural heritage interest listed on the HER, for standing structures of farmsteads at Anvil Cottages (NO89NW0140). PP247, PP246 and PP245 are on the boundary with a woodland designated as LEPO on the AWI Brachmont Wood (NO812962). The woodland exists either side of the road and for the majority of the road between the three passing places. PP222, PP221 and PP220, and Junction Improvement 44 all encroach into a woodland designated as LEPO on the AWI (NO847950) to the north and the south. PP252 is located adjacent to a residential property, 1 Denside Croft, PP251 is adjacent to an unknown building, PP035 is located between a residential property, Nether Muirskie Farmhouse, and interacts with a road junction.
PP219 to PP215	Southwest of Kirkton of Durris off the B9077	Figure 3.8 Indicative PRI Works – Drawing 3.8.14	Five Indicative Passing Places on a stretch of road heading northeast and ending in a junction on the B9077.	PP217 is in a surface water buffer. PP216 and PP215 both within the boundary of the River Dee SAC which bounds the road to the east. PP215 to PP217 are on the edge of a site of archaeological and cultural heritage interest listed on the HER for fieldwalking records including stone artefacts (NO79NE0154). PP215 also on the boundary with the site of the Burgh of Durris created in 1540-1 (NO79NE0006) and PP217 is located adjacent to Category B listed building, Mill of Kirkton. PP216 is located adjacent to Category B listed building, Old Bridge of Durris. Junction Improvement 46 interacts with a HER at Wester Durris (NO79NE0162) for artefacts found during fieldwalking, with artefacts suggesting neolithic or bronze age activity. Junction Improvement 46 also on the roadside at the residential property Wester Durris Cottage to the north of the road.
Section F				
PP032 to PP168	Couper's Road, heading northwest off the A93	Figure 3.8 Indicative PRI Works – Drawing 3.8.14	20 Indicative Passing Places heading northwest off of the A93 and ending at the	Junction Improvement 41, PP032, PP031 and PP030 are all within surface water buffers with a burn running along the western side of the road. PP183 to PP175 and PP178 to PP175 all are within a PWS source buffer. PP170 and PP168 is adjacent to an area of SEPA Surface Flood Data. PP184 interacts with a site of archaeological and cultural heritage interest listed on the HER, artefact (NO79NE0195) to the north of the passing place.

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
			junction on Couper's Road.	PP181 interacts with a woodland designated as LEPO on the AWI (NO781977). PP174 to PP171 interact with a LNCS (Loch of Park) to the southwest and a woodland designated as LEPO on the AWI (NJ776001) to the northeast. PP181 is located adjacent to the residential property Lochwood Cottage.
PP167 to PP165	East of Couper's Road heading to the A93	Figure 3.8 Indicative PRI Works – Drawing 3.8.14	Three Indicative Passing Places heading east from the junction on Coper's Road.	PP167 to PP165 are within a surface watercourse buffer from a roadside burn. PP165 is adjacent to an area of SEPA Surface Flood Data. PP167 is located within a PWS buffer. Between PP167 and PP166 there is a site of archaeological and cultural heritage interest listed on the HER, a standing structure of a farmstead that is depicted on historic mapping (NJ70SE0218), the designation buffer runs to the edge of the road.
PP164 to PP023	Couper's Road	Figure 3.8 Indicative PRI Works – Drawing 3.8.14/15	24 Indicative Passing Places heading south from the junction on the B9125 and ending at a junction on Couper's Road.	PP026 and PP025 are both in a SEPA mapping surface water flood risk area and in an area of river extents. PP153 to PP150, and PP147 to PP023 are in the buffer for surface water from a roadside burn. PP152 and PP147 are in the boundary of a site of archaeological and cultural heritage interest listed on the HER, standing structures of a farmstead and former school (NJ70SE0112) (NJ70SE0080).
PP142 to PP119	To the east of the B977	Figure 3.8 Indicative PRI Works – Drawing 3.8.15	24 Indicative Passing Places, and Two Junction Improvements heading east from the junction on the B977 and ending at the junction on the B9125	PP137 to PP135, PP132 to PP129, PP126 to PP121 and PP119 are located within a surface watercourse buffer. PP132 to PP129 are also located within a SEPA mapping flood risk area along with PP126 to PP125. PP131, PP130, PP126 and PP123 are on, or in the boundary with sites of archaeological and cultural heritage interest listed on the HER (NJ70SE0058, NJ70SE0060, NJ70SE0152 and NJ70SW0019). These features are all farmsteads and associated buildings and infrastructure. PP121 and PP120 are located at the south border of a woodland designated as LEPO on the AWI, Marketmuir Wood (NJ745046).
PP143 to PP208	Part of a loop coming off the B9125 to the east	Figure 3.8 Indicative PRI Works – Drawing 3.8.15	12 Indicative Passing Places heading east from the junction on the B9125.	PP145 to PP208 and Junction Improvement 40 are located within a watercourse buffer. PP208 and Junction Improvement 40 are on the boundary with a site of archaeological and cultural heritage interest listed on the HER, Rig and Furrow (NJ170SE0032).

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
PP207 to PP192	Couper's Road heading north to complete the loop coming off the B9125	Figure 3.8 Indicative PRI Works – Drawing 3.8.15	18 Indicative Passing Places and Junction Improvements following on from PP143 to PP208, heading north to rejoin the B9125 at a junction.	PP203, PP194 to 192 are located within a watercourse buffer. PP204 to PP201 are on the boundary with a site of archaeological and cultural heritage interest listed on the HER, Banks, Cairns, Hollow Ways, Rig and Furrow and Sheepfolds (NJ0SE0010) to the west. PP201 is also on the boundary with the remains of a small disused quarry (NJ70SE0048). PP204 to PP201 are on the boundary with a woodland designated as LEPO on the AWI (NJ784038) to the east. PP197 to PP195 are to the west of a LNCS Leuchar Moss. These passing places are within a regionally Significant site of archaeological and cultural heritage interest listed on the HER, Rig and Furrow (NJ70SE0007).
PP191 to PP185	Heading west from the B9125	Figure 3.8 Indicative PRI Works – Drawing 3.8.15	11 Indicative Passing Places heading west from the B9125.	PP018 to PP016 are within with a buffer zone for a PWS at East Finnercy. PP189 is within a watercourse buffer. PP191 sits south of a site of archaeological and cultural heritage interest listed on the HER, standing structure of a farmstead (NJ70SE0182). PP106 sits north of a site of archaeological and cultural heritage interest listed on the HER, standing structure of a farmstead, still in use (NJ70SE0132). PP186 is located adjacent to the residential property Braigiewell Cottage.
PP118 to PP114	Heading east from the B977	Figure 3.8 Indicative PRI Works – Drawing 3.8.15	Five Indicative Passing Places and Junction Improvement heading east from the B977.	The Junction Improvement 50, PP118 and PP116 are situated within surface watercourse buffers. Between PP116 and PP115 there is a site of archaeological and cultural heritage interest listed on the HER, for a farmstead that is still in use (NJ70NW0050).
PP014 to PP113	Heading west from the B977	Figure 3.8 Indicative PRI Works – Drawing 3.8.16	12 Indicative Passing Places and a Junction Improvement heading west from the B977.	PP111 is located east of a site of archaeological and cultural heritage interest listed on the HER, site of a milestone (NJ71SW0148). PP109 is located east of the site of a now destroyed croft (NJ71SW0146).
PP013 to PP001	Heading east from the B977	Figure 3.8 Indicative PRI Works – Drawing 3.8.16	Sixteen Indicative Passing Places and a Junction Improvement heading east from the B977.	PP101 (Bogfold), PP013 (Titaboutie) to PP011 (Titaboutie), PP102 (Titaboutie, Barnyards of Drumnaheath), PP010 (Barnyards of Drumnaheath), PP008 (Bogford and Osborne Leylodge) and PP007 (Bogfold) are all located within the buffer for PWSs. PP012, PP007, PP101, PP005, PP100, PP001 and the Junction Improvement are all located within surface water buffers.

TRANSMISSION

PRI Reference(s)/Group	Location	Figure Reference	Type of PRI	Constraints
				Three passing places are on the boundary with sites of archaeological and cultural heritage interest listed on the HER: PP012 (NJ71SW0057, site of sand pit), PP003 (NJ71SE0111, excavations found no features deposits or artefacts) and PP002 (NJ71SE0084, farmstead still in use). PP001 is adjacent to the residential property South Leylodge Bungalow, PP002 is adjacent to South Leylodge Farmhouse and South Leylodge Steading, PP003 is adjacent to an unknown residential property, PP006 is adjacent to Leylodge Schoolhouse located at the junction improvement and PP012 is adjacent to Titaboutie.