

APPENDIX A6.1
AGRONOMY
FARM IMPACTS

Appendix 6.1: Summary of Farm Impacts

ID	Land area (ha)	Farm Enterprise	Sensitivity	Land take (ha)	Farm Fragmentation	Nature of Construction Phase Impact Assessment	Potential pre-mitigation impact			Mitigation Measures	Residual Impact	
							Nature of pre-mitigation impact	Magnitude of post-mitigation impact	Significance of impact		Residual Magnitude	Significance of residual impact
101	52.4	Beef Cattle + a few horses	Medium	3.4	Yes	Medium magnitude of impact due to disturbance of farm enterprise.	6.5% of land taken by road. Farm is fragmented by proposed road separating 35% of farm East of the proposed road.	Very High	Significant	Note 1 & new access provided to separated land	High	Moderate adverse
102	51	Dairy Cattle	High (Intensive farm)	1.6	Yes	High magnitude of impact due to disturbance of dairy enterprise.	3% of land taken by road. Farm is fragmented by proposed road separating 13% of farm east of the proposed road	Very High	Profound	Note 1 & provide new access to separated plot	Medium	Moderate adverse
103	71	Beef Cattle (summer grazing – low stocking rate)	Medium	4.4	Yes	Low magnitude of impact due to disturbance of farm enterprise.	6% of land taken by road. Farm is fragmented by proposed road separating 18.5% of farm east of the proposed road.	Very High	Profound	Note 1 & provide new access to separated plot	High	Moderate adverse
104	13.7	Beef Cattle (summer grazing – low stocking rate)	Medium	1.17	No	High magnitude of impact due to disturbance of farm enterprise	8.5% farm taken by proposed road - access to land is severed.	Very High	Profound	Note 1 - maintain existing access - provide	Medium	Slight adverse

ID	Land area (ha)	Farm Enter-prise	Sensitivity	Land take (ha)	Farm Fragment-ation	Nature of Construction Phase Impact Assessment	Potential pre-mitigation impact			Mitigation Measures	Residual Impact	
							Nature of pre-mitigation impact	Magnitude of post-mitigation impact	Significance of impact		Residual Magnitude	Significance of residual impact
						because of loss of access to neighbouring farm yard.				testing pen.		
105	20.4	Beef Cattle (summer grazing – low stocking rate)	Low (Land is zoned for development)	5.9 (100% is zoned for non-agricultural use)	No	Low magnitude of impact due to disturbance of farm enterprise.	28% farm taken by proposed road.	Very High	Moderate adverse (because farm is zoned for development)	Note 1	Very High	Moderate adverse (because farm is zoned for development)
109	85	Beef Cattle	Medium (& low south of M7 due to being zoned for development)	10.9 (agricultural)	Yes	Medium magnitude of impact due to disturbance of farm enterprise.	North of M7 – 10.9ha of land taken by road. Approx. 6.7 ha of land separated north of M7 and access bridge over M7 is removed. 13% of the agricultural land is taken and 67% is separated.	Very high	Significant adverse	Note 1 & replace access gates on existing country road.	Very high	Significant adverse
112	24.4	Beef Cattle	Low (part of land is zoned)	2.8 (70% is zoned for non-agricultural use)	Yes	Low magnitude of impact due to disturbance of farm enterprise.	11% of land taken by road. Farm is fragmented by proposed road separating 61% of farm north of the proposed link road.	Very High	Significant adverse (before access is provided to separated land)	Note 1 & access gates from link road to separated land parcels.	Very High	Moderate adverse (because impact on zoned land)
115	16.2	Stud Farm	Very High	0.09	No	Low magnitude	<1% of the farm taken	Low	Slight	Note 1 &	Low	Slight

ID	Land area (ha)	Farm Enterprise	Sensitivity	Land take (ha)	Farm Fragmentation	Nature of Construction Phase Impact Assessment	Potential pre-mitigation impact			Mitigation Measures	Residual Impact	
							Nature of pre-mitigation impact	Magnitude of post-mitigation impact	Significance of impact		Residual Magnitude	Significance of residual impact
		(also grazed with beef cattle)				of impact due to disturbance of farm enterprise.	at boundary with M7.	(due to loss of shelter and loss of existing stud fencing)		suitable stud farm boundary fencing.		
117	49	Sheep	Medium	4.3	No	Medium magnitude of impact due to disturbance of farm enterprise.	9% farm taken by proposed road. Access gates taken.	High (land loss in moderate range but loss of access also)	Moderate adverse	Note 1 - provide access gate from existing country road to land north of railway	High	Moderate adverse
118	77.8	Tillage	Medium	0.85	No	Very low magnitude of impact due to disturbance of farm enterprise.	1% farm taken by proposed road.	Very low	Imperceptible	Note 1	Very low	Imperceptible
119	2.5	Beef Cattle	Low (small enterprise)	0.52	No	High magnitude of impact due to disturbance of farm enterprise because of temporary loss of farm yard.	21% farm taken by proposed road – Farm buildings and farm land taken.	Very High	Significant	Note 1. Replacement value of buildings provided. Replacement access gate(s) provided.	Medium	Slight

APPENDIX A6.2
AGRONOMY
FARM REPORTS

AGRICULTURAL ASSESSMENT SHEET

CPO Number _____ **EIS Ref No** _____ 101 **Scheme** Salins Bypass
Name Patrick Murphy **Occupier** Patrick Murphy
Address Deer Park, Castlesize, Sallins, Co Kildare
Method of assessment Meeting (with Patrick Jnr) 30th May 2013 and visual assessment of land.
 Desktop assessment involved examination of aerial photography
Farm layout / land parcels One land parcel containing 51 hectares. Main entrance off Sallins road to yard at rear of dwelling.

Enterprise Beef Cattle and 5 - 6 horses - summer grazing
Land quality Good quality agricultural land
Farm features
 Summer grazing beef enterprise plus some horses. Single land parcel with 2 access points on the Sallins road. One drinking point on the Liffey serves all the farm with water for livestock. Land free draining - no land drains.

Area farmed	52.3	ha -	Land loss	3.4	ha =>	6.5%	of farmed area
Area directly affected	52.3	ha -	Land loss	3.4	ha =>	6.5%	of affected area
Quality of land loss	Good quality agricultural land						
Nature of impact.	Loss of land just south of the farm yard and dwelling. Loss of access to drinking point on the Liffey. Short length of hedge taken. 17.8 ha of land separated from farm yard on southern side of new road. He will have to cross the road to access land when travelling from yard to separated land.						
Impacts magnitude before mitigation	Very high			Impact significance before mitigation	Significant		
Separation	Yes		1	new segments			
Area seperated	17.6	ha	36.0	% of land remaining after CPO			
	0.0	ha	0.0	% of land remaining after CPO			
	0.0	ha	0.0	% of land remaining after CPO			
	0.0	ha	0.0	% of land remaining after CPO			
	0.0	ha	0.0	% of land remaining after CPO			
Total	17.6	ha	36.0	% of the farmed area before re purchase of land			

Recommended accommodation works

Provide an accommodation underpass for livestock.

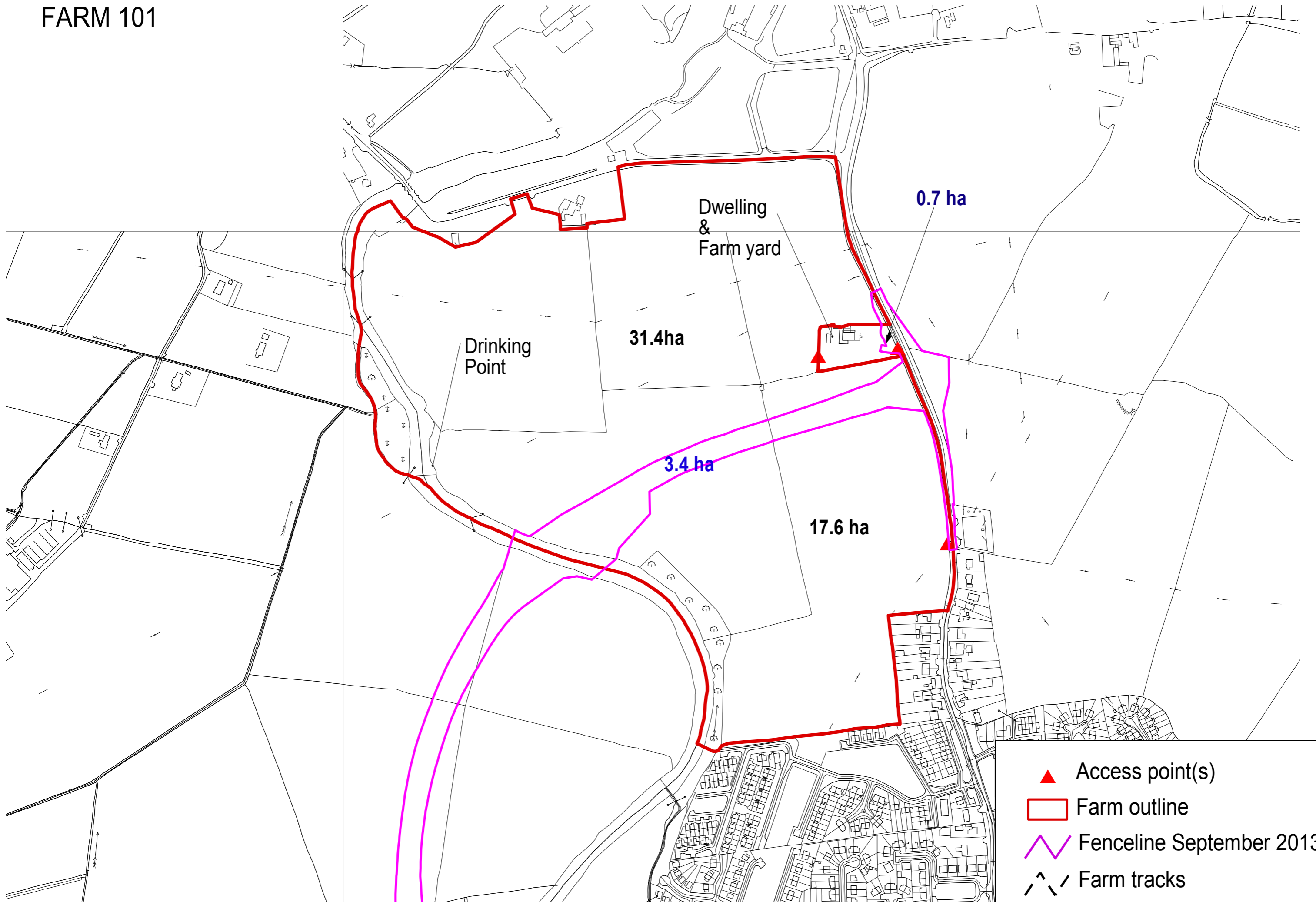
Residual impact (residual = post mitigation) High - due to the separation of 36.2 ha (but accommodation underpass provided)

Sensitivity Medium **based on:** Beef cattle summer grazing is main enterprise - not intensive

Significance of impact Moderate **based on:** Underpass will enable beef enterprise to operate as per normal but separation of 36 % of the land gives high magnitude of impact.

Notes Farmer concerned about noise and and disturbance on dwelling. Southern access gate on Sallins road may be too narrow for machinery access.

FARM 101



AGRICULTURAL ASSESSMENT SHEET

CPO Number _____ **EIS Ref No** 102 **Scheme** Salins Bypass
Name Kieran & Morgan O Flaherty **Occupier** Kieran & Morgan O Flaherty
Address Barrettstown, Sallins, County Kildare
Method of assessment Meeting 30th May 2013 and visual assessment of land.
 Desktop assessment involved examination of aerial photography

Farm layout / land parcels One land parcel containing 51 hectares. Main entrance from the northern side.

Enterprise Dairy Farm - winter milk production
Land quality Good quality agricultural land
Farm features

Two access points - main access from the north into farm yard located just inside farm boundary. Second access is a gate on southern boundary with canal tow path. 100 cows and breeding heifers - high stocking rate > 170 kgs/ha. Farm set out in paddocks and farm access tracks. Two silage fields (separated by high hedge) on eastern boundary of farm directly affected. Affecting fields do not flood and are free draining. Main grazing area is around the farm yard on the western side of plot (not affected). Wholecrop wheat has been grown in eastern 2 silage fields. Intensive well laid out farm. Fishermen have access to the river. His family have bathed in the river.

Area farmed	51	ha -	Land loss	1.61	ha =>	3.2%	of farmed area
Area directly affected	51	ha -	Land loss	1.61	ha =>	3.2%	of affected area

Quality of land loss Good quality agricultural land
Nature of impact. Loss of land at eastern side of farm which is used for silage making. Loss of drinking point on the Liffey. Loss of hedge. Loss of access track. 6.7ha of land separated from farm yard on eastern side of new road - without alternative access because of location of Liffey on eastern boundary of land.

Impacts magnitude before mitigation	Very high	Impact significance before mitigation	Profound
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Separation	Yes	1	new segments
Area seperated	6.4 ha	13.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
Total	6.4 ha	13.0	% of the farmed area before re purchase of land

Recommended accommodation works

Provide an accommodation underpass for livestock and machinery. Provide ducting for water and electric fencing services.

Residual impact (residual = post mitigation) Low impact from land loss. Effective accommodation to access land. Medium impact due to combined effect of separation and land loss.

Sensitivity High **based on:** Intensive dairy farm

Significance of impact Moderate **based on:** Low impact due to loss of 3% of farm. No direct impact on grazing platform or access to farm. Farm is now in 2 land parcels

Notes Farmer considers major/severe impact. Socking rate will remain below 250 kgs/ha.

Entrance Road

Farmyard

Drinking Point

Grazing

1.6ha

Silage

Silage

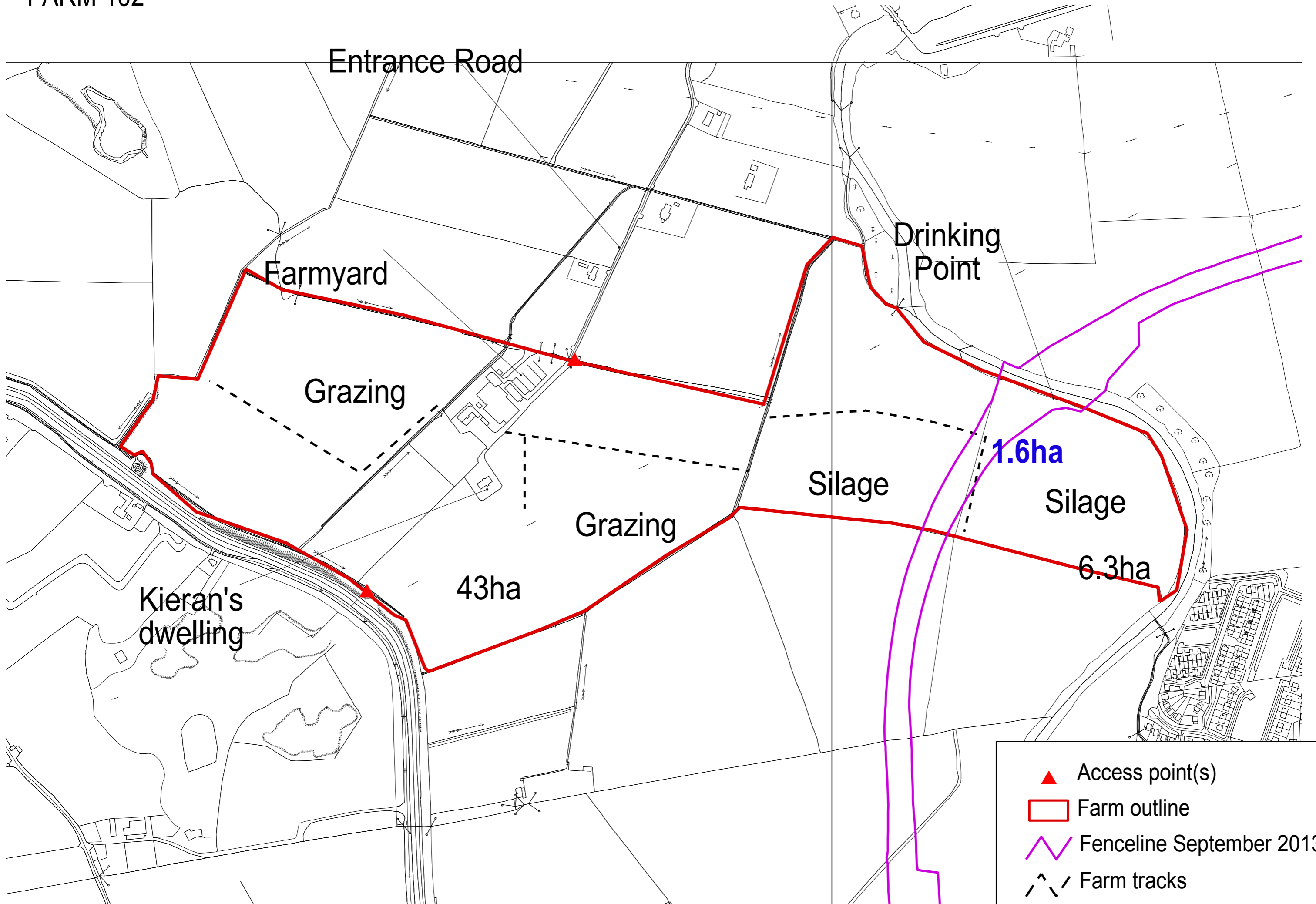
Grazing

6.3ha

43ha

Kieran's dwelling

- ▲ Access point(s)
- ▭ Farm outline
- ∩ Fenceline September 2013
- ⋈ Farm tracks



AGRICULTURAL ASSESSMENT SHEET

CPO Number _____ **EIS Ref No** 103 **Scheme Occupier** Salins Bypass
Name Tom McAndrew
Address Sallins Cold Stores Ltd, Sallins, County Kildare
Method of assessment Meeting 5th June 2013 with Tom McAndrew and visual assessment of land.
 Desktop assessment involved examination of aerial photography

Farm layout / land parcels Large single land parcel

Enterprise Beef Cattle - summer grazing
Land quality Good quality agricultural land
Farm features

This is a large plot - 71 ha - bounded on the eastern/southern boundary by the Liffey and by the canal and tow path on the western boundary. The only access is from the canal tow path where there are 2 access gates - the main access is at the north western boundary. The land is relatively low lying in parts, it is flat - it could be described as good summer grazing land. There are no housing facilities for over wintering animals. The land is lightly fertilised and is not farmed intensively. Cattle have access to the Liffey for drinking all along the boundary.

Area farmed	71	ha -	Land loss	4.39	ha =>	6.2%	of farmed area
Area directly affected	71	ha -	Land loss	4.39	ha =>	6.2%	of affected area

Quality of land loss Good quality agricultural land
Nature of impact. Land take and separation of a plot of land which does not have alternative access

Impacts magnitude before mitigation Very high **Impact significance before mitigation** Profound

Separation	Yes	1	new segments
Area seperated	12.3 ha	18.5	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
Total	12.3 ha	18.5	% of the farmed area before re purchase of land

Recommended accommodation works

Provide access to separated land parcel east of new road - to be used by cattle and machinery.

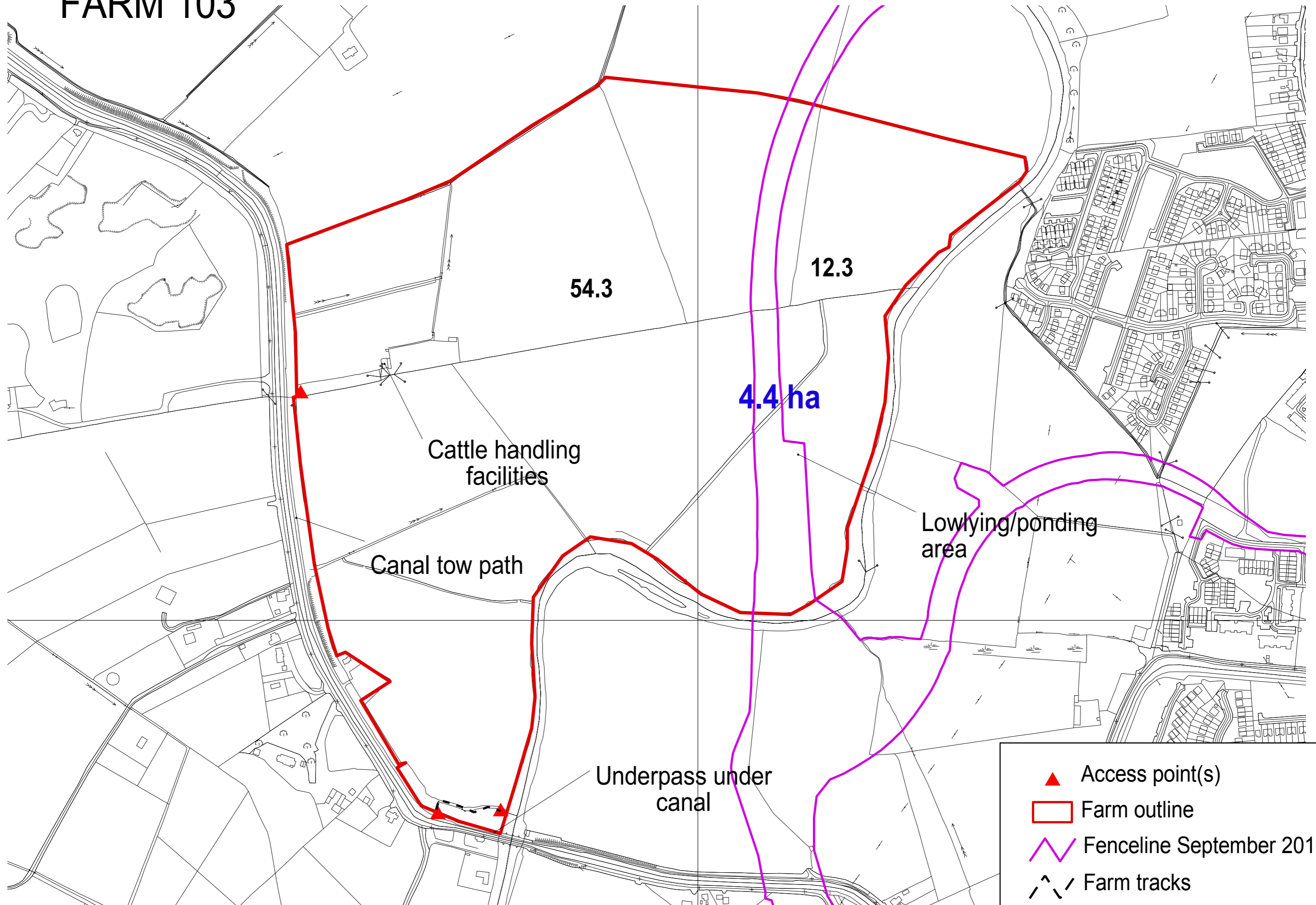
Residual impact (residual = post mitigation) Low - medium impact from land loss. Effective accommodation to access land. High impact due to poor access to 19% of farm.

Sensitivity Low / medium **based on:** Cattle - summer grazing - not intensively farmed

Significance of impact Moderate **based on:** Loss of 6% of land parcel and separation of 19% of land parcel

Notes Land owner wants access on the proposed road - in preference to an underpass.

FARM 103



- ▲ Access point(s)
- ▭ Farm outline
- ∟ Fenceline September 2013
- - - Farm tracks

AGRICULTURAL ASSESSMENT SHEET

CPO Number _____ **EIS Ref No** 104 **Scheme Occupier** Salins Bypass

Name Edward O Loughlin

Address Beaufort, Sallins Road, Naas

Method of assessment Meeting 31st May 2013 and visual assessment of land.
 Desktop assessment involved examination of aerial photography

Farm layout / land parcels Single land parcel. Access via gate in south east corner

Enterprise Beef enterprise - summer grazing only

Land quality Good quality agricultural land - low lying and wettish

Farm features

This land parcel and adjoining plot 105 used to be the same farm before Mr O Loughlin sold plot 105. He now farms both plots and uses the cattle handling / testing facilities in plot 105 (there are no cattle handling facilities in plot 104). There are 2 access gates from plot 104 into 105. The main access gate to plot 104 is in the south east corner on the canal tow path. There are 2 land drains which will be affected by the CPO. There is a drinking point on the Liffey for cattle to get water.

Area farmed	13.7	ha -	Land loss	1.17	ha =>	8.5%	of farmed area
Area directly affected	13.7	ha -	Land loss	1.17	ha =>	8.5%	of affected area

Quality of land loss Good quality agricultural land - low lying and wettish

Nature of impact. Land take at edge of land parcel. Loss of only independant access point. Loss of derelict house. Impact on 2 land drains.

Impacts magnitude before mitigation	Very high (No access into plot)	Impact significance before mitigation	Profound
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Separation	No	new segments
Area seperated	ha	% of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
Total	0.0 ha	0.0 % of the farmed area before re purchase of land

Recommended accommodation works

Provide access into plot. Maintain drainage outflow and connectivity. Provide testing pen.

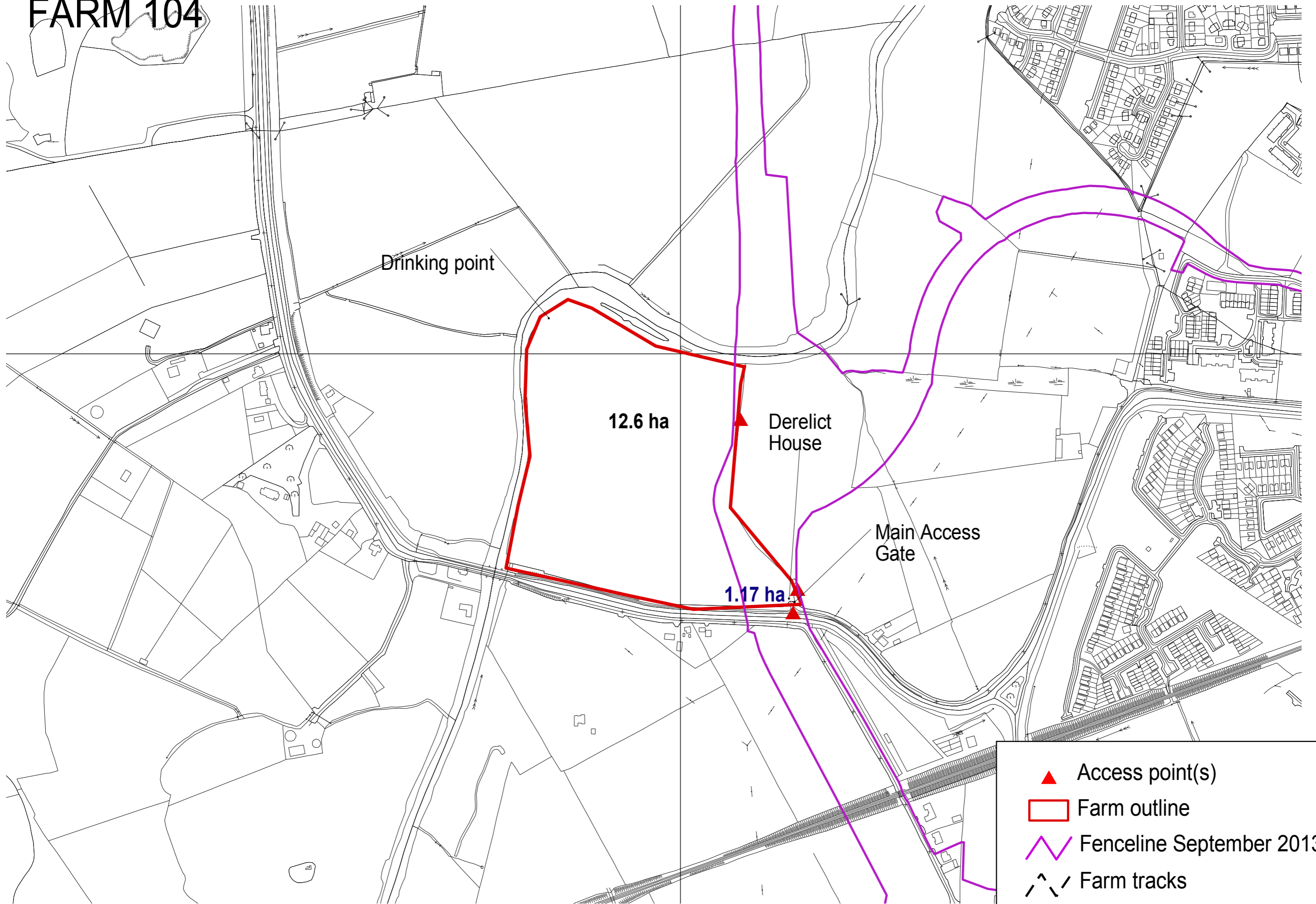
Residual impact (residual = post mitigation) Medium

Sensitivity Low / Medium **based on:** Beef enterprise - summer grazing only - not intensive

Significance of impact Slight **based on:** Loss of direct access to cattle handling facilities and adjoining land and loss of 8.5% of land area.

Notes Farmer recalls serious flooding in plot 104 and 105 caused by overflow of canal when outlet grill at the aqeduct got blocked.

FARM 104



AGRICULTURAL ASSESSMENT SHEET

CPO Number _____ **EIS Ref No** 105 **Scheme Occupier** Salins Bypass
Name Brendan Heavey
Address _____
Method of assessment Phone conversations end of May/start of June and visual assessment of land.
 Desktop assessment involved examination of aerial photography
Farm layout / land parcels Single land parcel. - 21 ha. Access to Liffey on north west corner of plot.

Enterprise Beef enterprise - summer grazing only
Land quality Good quality agricultural land
Farm features
 This plot is farmed by the owner of plot 104. Cattle use Liffey and open watercourse for water. Cattle handling facilities in north east corner at farm yard.

Area farmed	21	ha -	Land loss	5.94	ha =>	28.3%	of farmed area
Area directly affected	21	ha -	Land loss	5.94	ha =>	28.3%	of affected area
Quality of land loss	Good quality agricultural land						
Nature of impact.	Land take at edge of land parcel. Loss of access to river drinking point.						
Impacts magnitude before mitigation	Very high			Impact significance before mitigation	Moderate adverse		
Separation	No		new segments				
Area separated	0.0	ha	0.0	% of land remaining after CPO			
	0.0	ha	0.0	% of land remaining after CPO			
	0.0	ha	0.0	% of land remaining after CPO			
	0.0	ha	0.0	% of land remaining after CPO			
	0.0	ha	0.0	% of land remaining after CPO			
Total	0.0	ha	0.0	% of the farmed area before re purchase of land			

Recommended accommodation works
 Maintain (replace) water supply

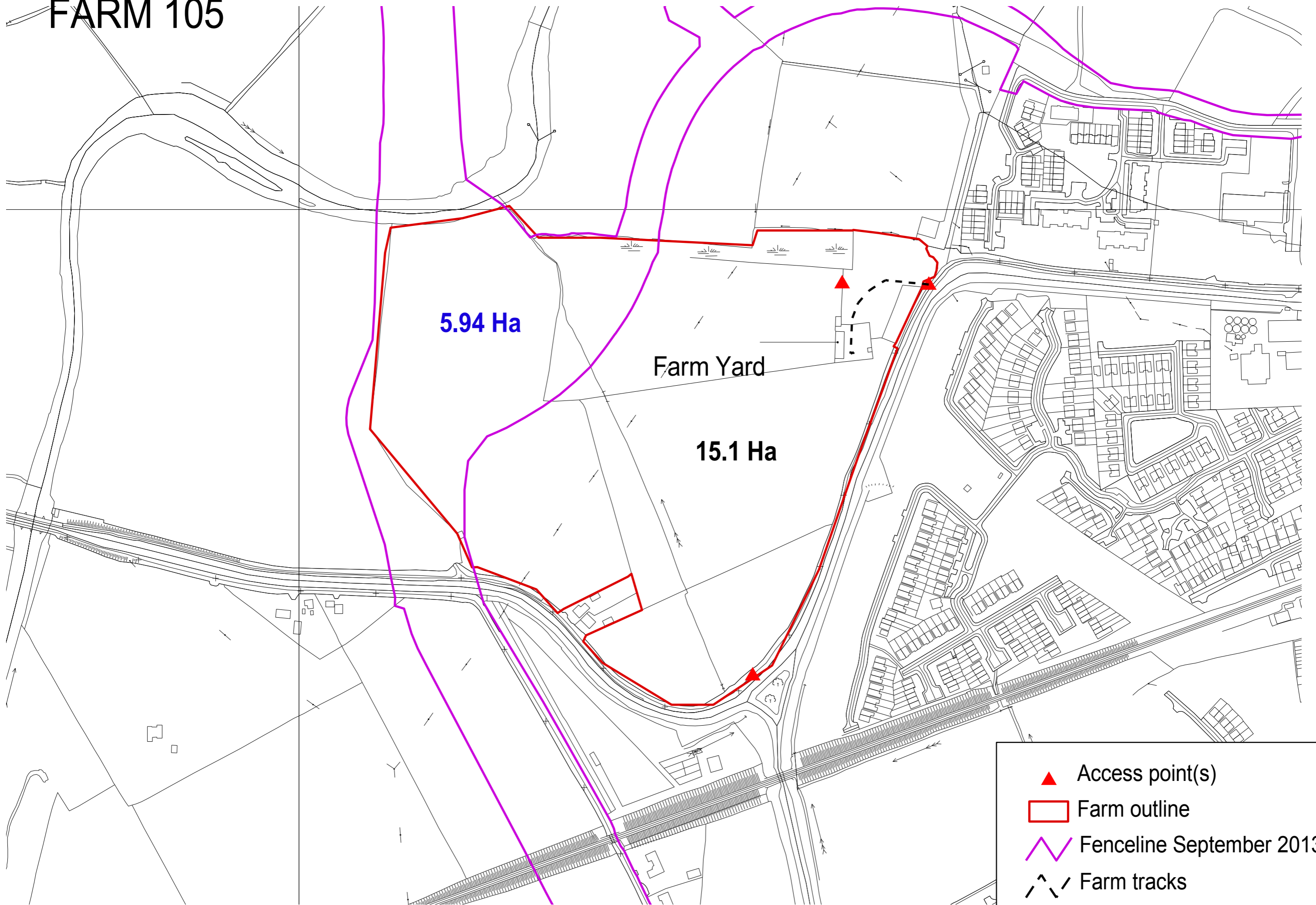
Residual impact (residual = post mitigation) Very high

Sensitivity Low based on: Low stocking rate beef cattle enterprise
 (land is zoned for development)

Significance of impact Moderate adverse based on: 28% of land parcel lost - water source taken but land is zoned for development

Notes

FARM 105



5.94 Ha

Farm Yard

15.1 Ha

- ▲ Access point(s)
- ▭ Farm outline
- ∟ Fenceline September 2013
- - - Farm tracks

AGRICULTURAL ASSESSMENT SHEET

CPO Number _____ **EIS Ref No** 109 **Scheme** Salins Bypass
Name Osberstown Developments **Occupier** _____
Address Osberstown Developments, Willow House, Millenium Park
Method of assessment Meeting 31st May 2013 with Jerry Prendergast and visual assessment of land.
 Desktop assessment involved examination of aerial photography
Farm layout / land parcels Land set out to a farmer on an 11 month lease. 41 ha of agricultural land north of M7 and 43.7 ha south of M7.
 Land south of M7 is currently zoned and used for agriculture at present.

Enterprise Beef cattle
Land quality Good quality agricultural land
Farm features

Good grazing land. Good access via gates on public road. The farm buildings are used to house beef cattle during the winter period. The land north of the M7 is grazed and the lands south of M7 are used for silage. The farmer uses the over pass to haul silage across the M7 to yard on north side of M7 - this bridge is not used regularly according to Mr Prendergast. The area of agricultural land north of the M7 is 41 hectares. The area of land currently being farmed south of the M7 (which is zoned for development) is 43.7 hectares.

Area farmed	85	ha -	Land loss	10.9	ha =>	12.8%	of farmed area
Area directly affected	41	ha -	Land loss	10.9	ha =>	26.6%	of affected area

Quality of land loss Good quality agricultural land
Nature of impact. In total the land take is 10.9 ha north of the M7 (all agricultural). The proposed road crosses the land creating a 6.7 ha separated land parcel east of the new road and potentially impacting on 4 access gates at points A, B & C. The existing overpass bridge will be removed separating land south of M7 which is used to access silage ground south of M7.

Impacts magnitude before mitigation	Very high	Impact significance before mitigation	Significant
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Separation	Yes	2	new segments
Area seperated	6.7 ha	8.9	% of land remaining after CPO
	43.7 ha	59.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
Total	50.4 ha	67.9	% of the farmed area before re purchase of land

Recommended accommodation works

Replace access gates (if affected) at poits A, B & C.

Residual impact (residual = post mitigation) Very high (on land north of the M7)

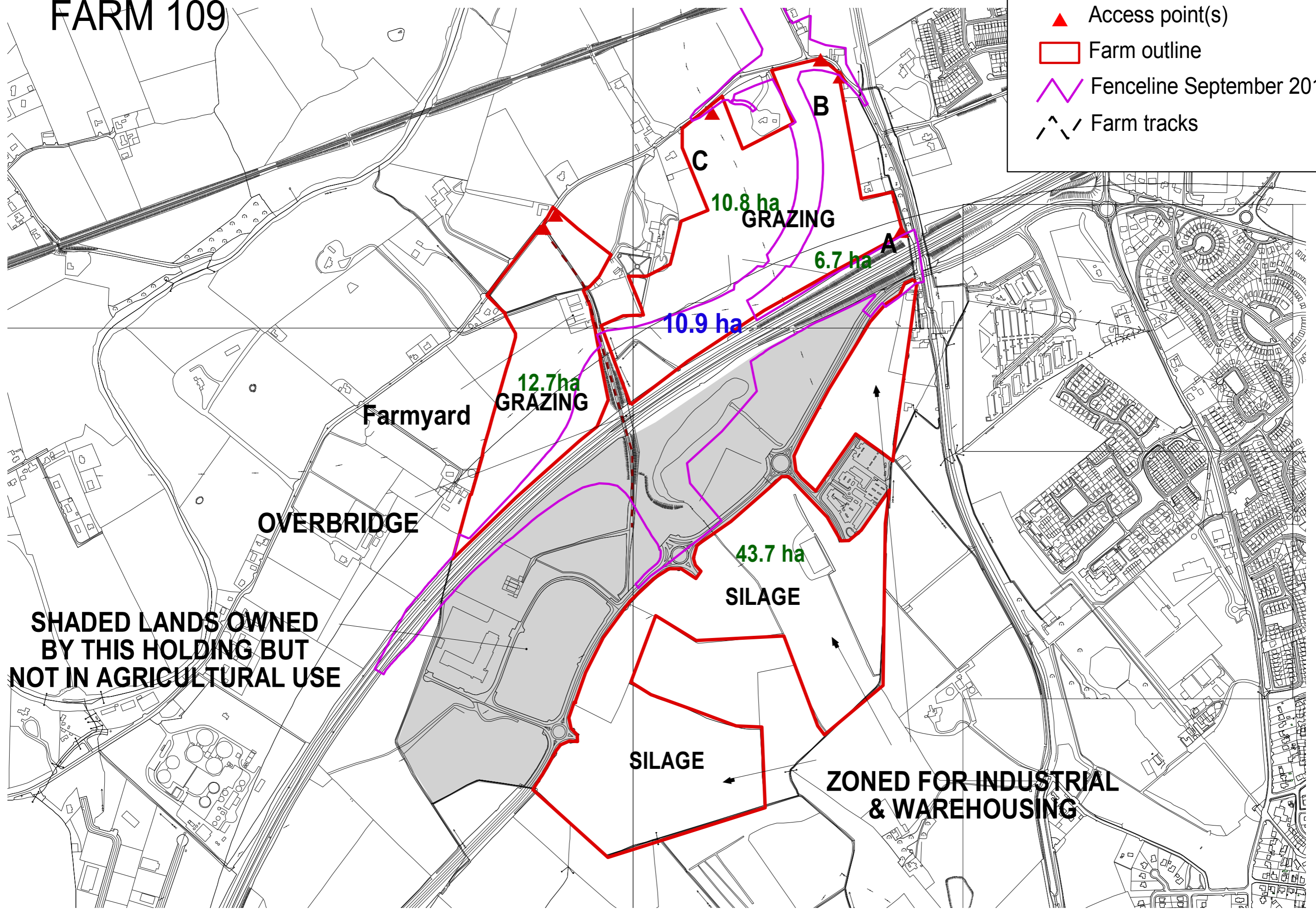
Sensitivity Medium north of M7 **based on:** Beef cattle enterprise north of M7. South of M7 is Low / Low south of M7 Very Low sensitivity due to being zoned for planning

Significance of impact Significant adverse **based on:** Very high impact on a medium sensitivity farm - taking 26% of the agricultural land and separating 22%

Notes The cumulative impact is Significant Adverse because lands south of the M7 have low sensitivity (benig zoned for agricultural use and not being farmed intensively)

FARM 109

- ▲ Access point(s)
- ▭ Farm outline
- ∕ Fenceline September 2013
- ∕ Farm tracks



AGRICULTURAL ASSESSMENT SHEET

CPO Number _____ **EIS Ref No** 112 **Scheme Occupier** Salins Bypass
Name Briargate Developments
Address Rockfield House, Spawell Road, Co Wexford

Method of assessment Visual assessment of land on 5th June 2013.
 Desktop assessment involved examination of aerial photography

Farm layout / land parcels Land parcel divided into two parts - 20 ha west of sewage plant and 4.1 ha north east of sewage plant.

Enterprise
Land quality Good quality land (some mixed quality)
Farm features

Land parcel divided into two parts. The eastern 4.1 ha part is non agricultural. Western 20 ha is used for grazing beef cattle and ponies. Southern part of land parcel is zoned. Access to Liffey is water source for cattle. No farm yard.

Area of Land Parcel(s)	25	ha -	Land loss	2.8	ha =>	11.2%	of farmed area
Agricultural Use Area	20.3	ha -	Land loss	2.2	ha =>	10.8%	of affected area

Quality of land loss Good quality land
Nature of impact. The proposed link will separate 11 ha north of the link road

Impacts magnitude before mitigation	Very high	Impact significance before mitigation	Significant
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Separation	Yes	1	new segments
Area seperated	11.0 ha	60.8	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
	0.0 ha	0.0	% of land remaining after CPO
Total	11.0 ha	60.8	% of the farmed area before re purchase of land

Recommended accommodation works

Provide access gates to separated land from link road. Provide ducting for electric fencing and water.

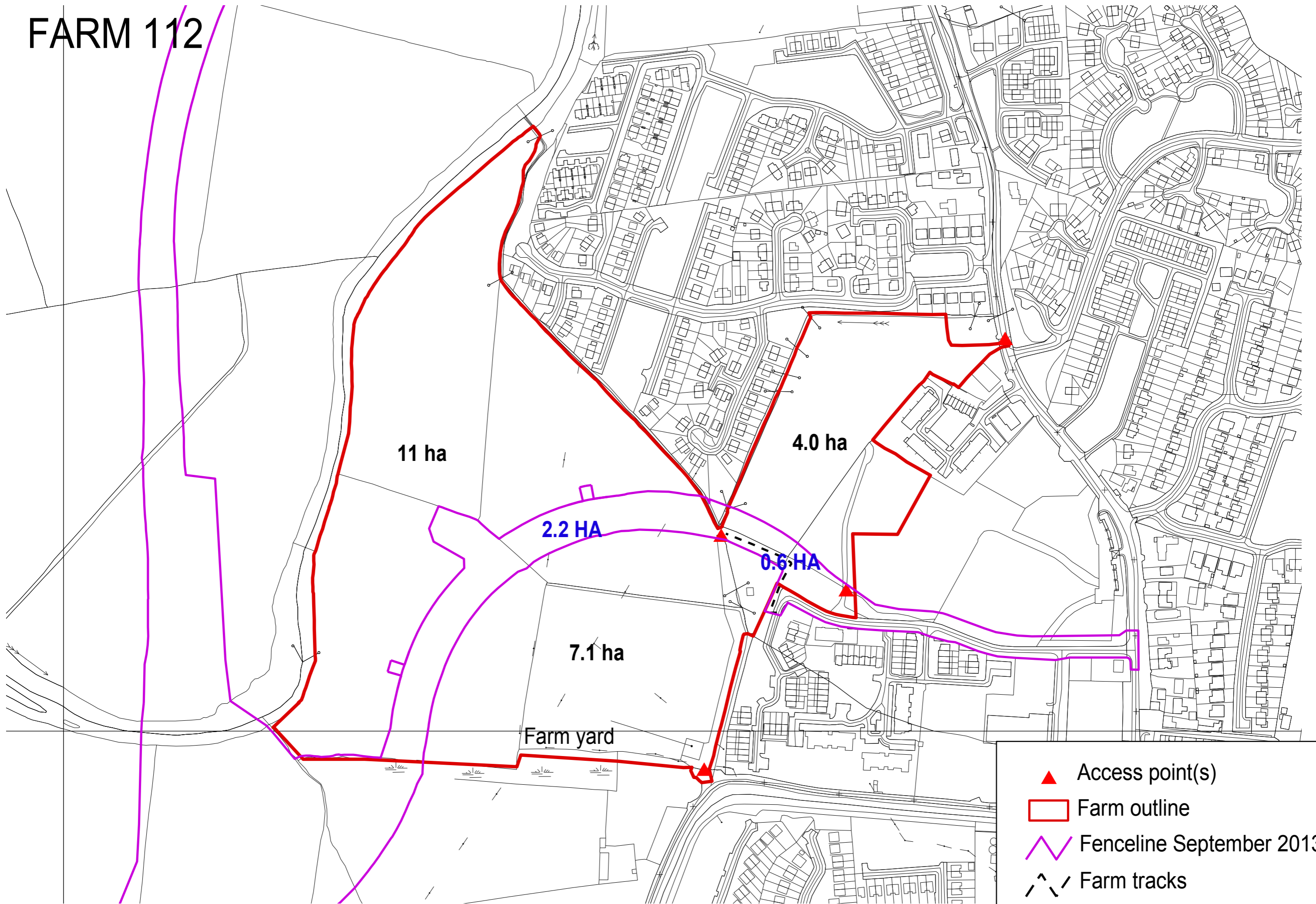
Residual impact (residual = post mitigation) Very High

Sensitivity Low based on: Partly zoned land parcel - non intensive farm enterprise
 Affected land is zoned

Significance of impact Moderate based on: High impact due to loss of 11% of agric. land and separation of 60% of land parcel - but low sensitivity due to zoning and non intensive stocking rate

Notes

FARM 112



11 ha

4.0 ha

2.2 HA

0.6 HA

7.1 ha

Farm yard

- ▲ Access point(s)
- ▭ Farm outline
- ∟ Fenceline September 2013
- ^ Farm tracks

AGRICULTURAL ASSESSMENT SHEET

CPO Number 115 **EIS Ref No** 115 **Scheme Occupier** Salins Bypass
Name Colm McEvoy
Address Osberstown Stud, Osberstown, Naas, Co Kildare
Method of assessment Meeting 30th May 2013 and visual assessment of land.
 Desktop assessment involved examination of aerial photography
Farm layout / land parcels Single lot of circa 16 hectares backing on to M7.

Enterprise Stud Farm
Land quality Good quality agricultural land
Farm features
 Breeds flat race horses. 38m x 12m American Barn type stables & exercise ring in the yard. Cattle shed present. Existing stud fencing along M7. Own well in yard. Good land flat.

Area farmed	16.2	ha -	Land loss	0.09	ha =>	0.6%	of farmed area
Area directly affected	16.2	ha -	Land loss	0.09	ha =>	0.6%	of affected area

Quality of land loss Good quality
Nature of impact. Narrow strip along existing M7 boundary
Impacts magnitude before mitigation Low **Impact significance before mitigation** Slight

Separation	No		new segments
Area seperated	ha	0.0	% of land remaining after CPO
	0.0	0.0	% of land remaining after CPO
	0.0	0.0	% of land remaining after CPO
	0.0	0.0	% of land remaining after CPO
	0.0	0.0	% of land remaining after CPO
Total	0.0	0.0	% of the farmed area before re purchase of land

Recommended accommodation works
 Replace existing stud rail fencing with same.

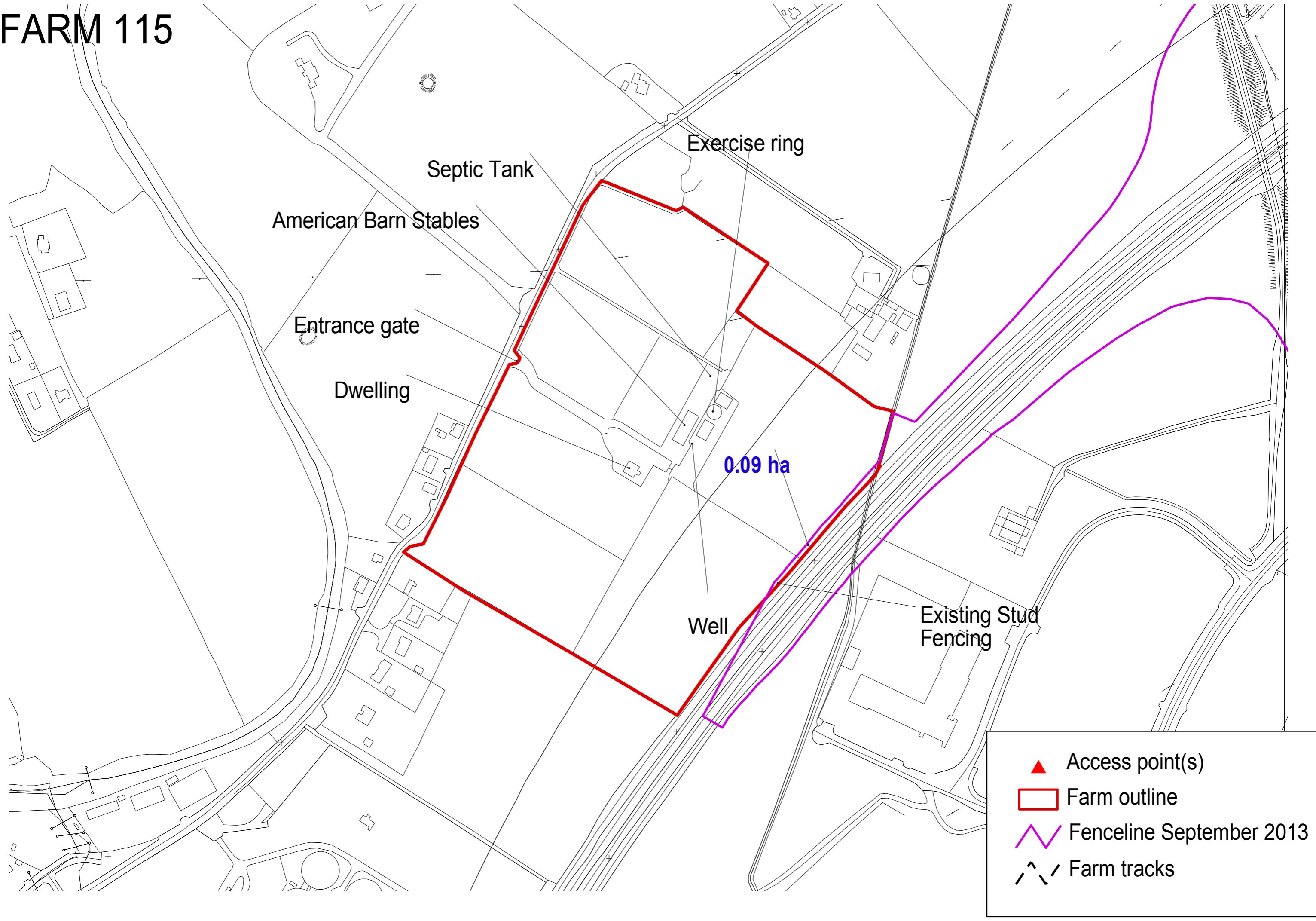
Residual impact (residual = post mitigation) Low

Sensitivity Very High **based on:** Stud farm

Significance of impact Slight **based on:** Very small land take but loss of shelter and impact on stud fencing

Notes Mr McEvoy was concerned that creoste treated fencing be used. Along the existing M7 a soft timber fence was put in place but the horses chewed the timber. He said he had to replace it with harder creoste treated timber.

FARM 115



AGRICULTURAL ASSESSMENT SHEET

CPO Number _____ **EIS Ref No** 117 **Scheme** Salins Bypass
Name James Dwyer **Occupier** James Dwyer and his brother
Address Osberstown, Naas, Co Kildare
Method of assessment Meeting 7th June 2013 and visual assessment of land.
 Desktop assessment involved examination of aerial photography.

Farm layout / land parcels This farm is laid out in one block which is divided in two by the railway line - 25 ha north and 21 ha south of the rail line. There is a purpose built overpass bridge connecting north to south - 3.4m wide.

Enterprise Sheep
Land quality Good quality agricultural land
Farm features

The farm yard and dwelling of retired parents is located south of rail line. The main access to land north of the rail line is via bridge over the rail line which is adequate for silage machinery - 3.4m wide. There are 2 gates at the eastern boundary at each side of the rail line. There are open drains at the eastern boundary of farm which suffice as a water source for the sheep.

At present the land ownership is divided between both brothers - even though the farm is being farmed as one unit (see attached map). The 12.1 hectares north of rail line is owned by Jame's brother and James owns the 12.8 ha north and 21 ha south of the rail line.

Area farmed	49	ha -	Land loss	4.28	ha =>	8.7%	of farmed area
Area directly affected	49	ha -	Land loss	4.28	ha =>	8.7%	of affected area

Quality of land loss
Nature of impact. Good quality agricultural land - a wet point pouth of rail ine shown on map.
 The land take is at edge of farm. Two gates are taken. There will be no other independent access to the 10.4 ha if access gate cannot be provided north of the rail line. Water supply on eastern boundary north and south

Impacts magnitude before mitigation	High (land take in medium range but loss of access also)	Impact significance before mitigation	Moderate adverse
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Separation	No	new segments
Area seperated	ha	% of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
Total	0.0 ha	0.0 % of the farmed area before re purchase of land

Recommended accommodation works

Provide access gate north of rail line. Maintain water supply (or provision of alternative source)

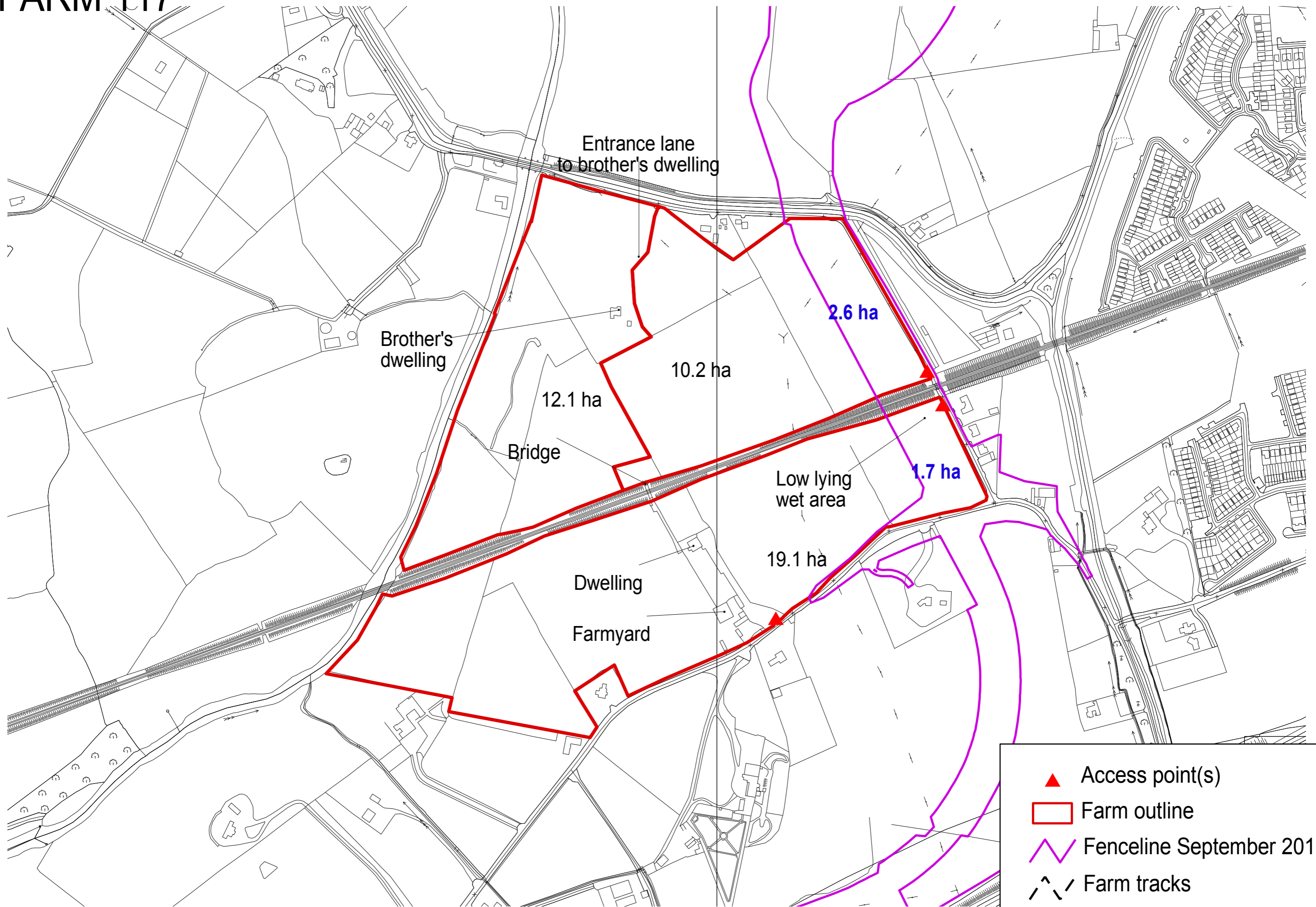
Residual impact (residual = post mitigation) Medium (assuming that access north of railway line is provided - otherwise High)





Sensitivity Medium **based on:** Sheep enterprise

Significance of impact Moderate **based on:** Taking 8% of land and access from public road.

Notes 10.4 ha will be land locked if an access gate north of the rail line is not provided - this is a land value impact rather than operational impact.

FARM 117



	Access point(s)
	Farm outline
	Fenceline September 2013
	Farm tracks

AGRICULTURAL ASSESSMENT SHEET

CPO Number _____ **EIS Ref No** 118 **Scheme** Salins Bypass
Name Seamus McCarthy **Occupier** _____
Address _____
Method of assessment Meeting 7th June 2013 and visual assessment of land.

Desktop assessment involved examination of aerial photography

Farm layout / land parcels Single large block of 78 ha north of Sallins. Land let on a conacre basis.

Enterprise Tillage

Land quality Good quality agricultural land

Farm features
 Entrance gate on to R407 is located at the proposed round about. Cattle crush located on northern boundary. Two drinking troughs located beside pump house. The pump house is supplied with mains water (no well).

Also owns land a few kilometers away.

Area farmed	77.8	ha -	Land loss	0.845	ha =>	1.1%	of farmed area
Area directly affected	77.8	ha -	Land loss	0.845	ha =>	1.1%	of affected area

Quality of land loss Good quality agricultural land
Nature of impact. Land take at edge of large land parcel. Entrance gate to field taken and also gate between two fields is taken.

Impacts magnitude before mitigation	Very low	Impact significance before mitigation	Imperceptible
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Separation	No	new segments
Area seperated	ha	% of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
	0.0 ha	0.0 % of land remaining after CPO
Total	0.0 ha	0.0 % of the farmed area before re purchase of land

Recommended accommodation works

Replace access gates

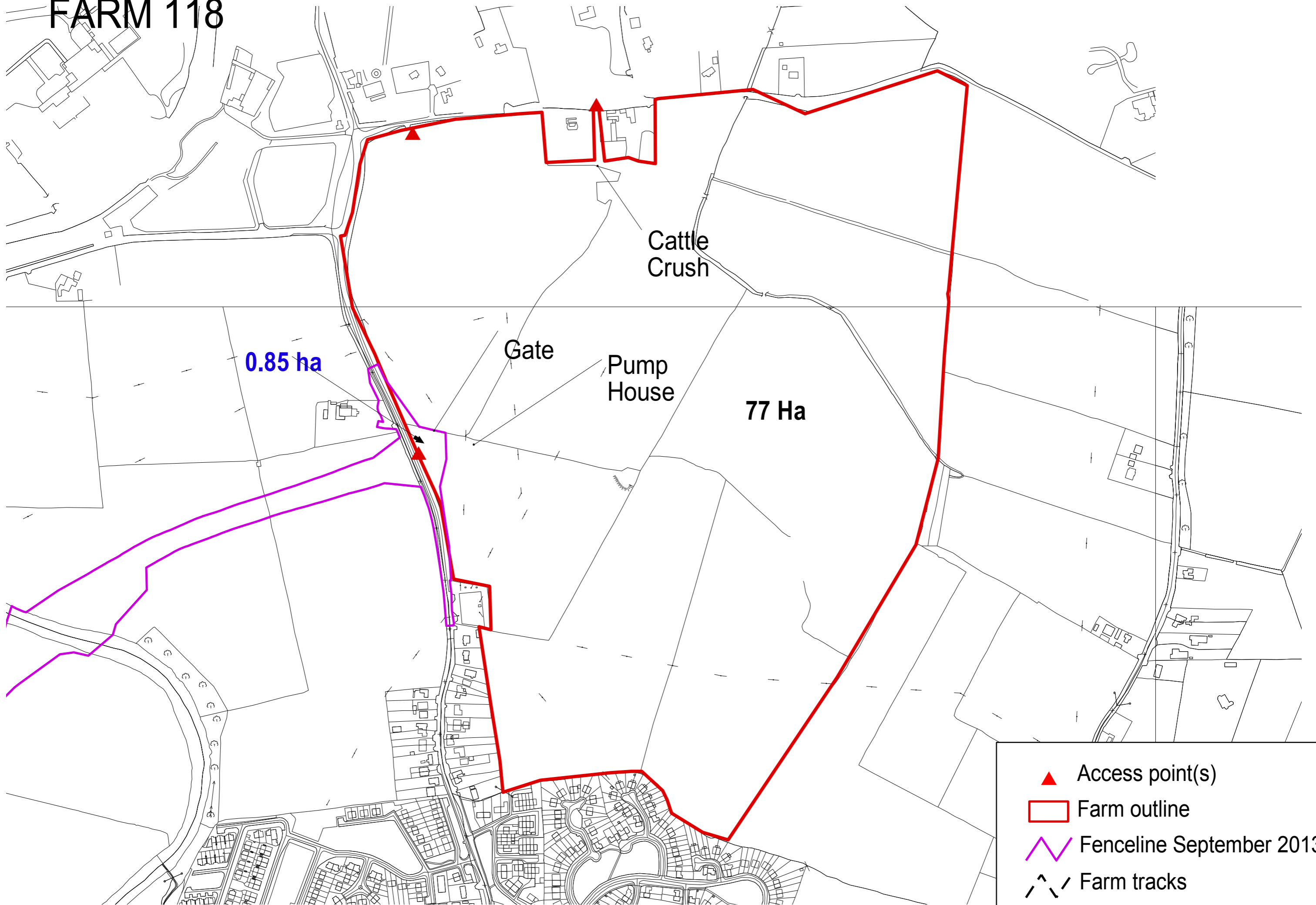
Residual impact (residual = post mitigation) Very low

Sensitivity Medium **based on:** Tillage enterprise

Significance of impact Imperceptible **based on:** Very small land take at edge of large land parcel

Notes None

FARM 118



0.85 ha

Gate

Pump House

Cattle Crush

77 Ha

- ▲ Access point(s)
- ▭ Farm outline
- ∟ Fenceline September 2013
- ⋈ Farm tracks

AGRICULTURAL ASSESSMENT SHEET

CPO Number _____ **EIS Ref No** 119 **Scheme Occupier** Salins Bypass
Name Jerry Conlon
Address Bridlewood, Forcknoughts, Naas, Co Kildare
Method of assessment Phoned Richard Godsil on 29th May 2013 and visual assessment of land.
 Desktop assessment involved examination of aerial photography
Farm layout / land parcels Single small 2.5 ha block of land and farm yard

Enterprise Horses and cattle
Land quality Good quality agricultural land
Farm features

The entrance to the farm yard is at a dangerous bend in the road. There are 2 entrance gates beside each other - one directly into yard and one directly to field.

Area farmed	2.5	ha -	Land loss	0.52	ha =>	20.8%	of farmed area
Area directly affected	2.5	ha -	Land loss	0.52	ha =>	20.8%	of affected area
Quality of land loss	Farm yard and good quality agricultural land.						
Nature of impact.	Farm buildings taken and agricultural land (0.15 ha of agricultural land). Two access gates taken.						
Impacts magnitude before mitigation	Very high			Impact significance before mitigation	Significant		

Separation	No		new segments
Area seperated	ha	0.0	% of land remaining after CPO
	0.0	0.0	% of land remaining after CPO
	0.0	0.0	% of land remaining after CPO
	0.0	0.0	% of land remaining after CPO
	0.0	0.0	% of land remaining after CPO
Total	0.0	0.0	% of the farmed area before re purchase of land

Recommended accommodation works

Replace access gates. Provide compensation to replace buildings.

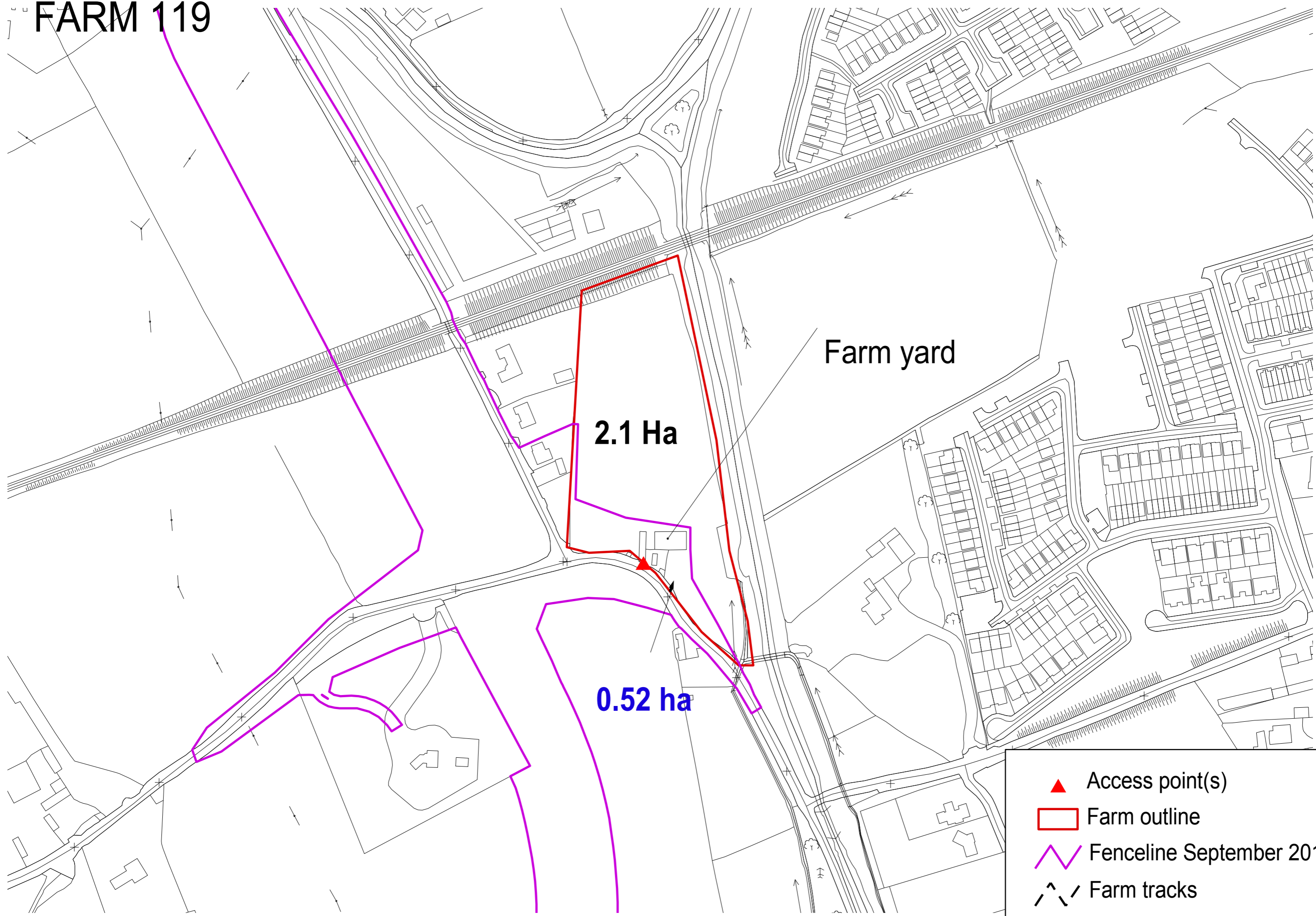
Residual impact (residual = post mitigation) Medium

Sensitivity Low (Small enterprise) **based on:** Beef cattle & horses low stocking rate

Significance of impact Slight **based on:** Slight disturbance after buildings are replaced. Farmer will be compensated to replace farm buildings. Gated access will be restored

Notes

FARM 119



Farm yard

2.1 Ha

0.52 ha

▲ Access point(s)
▭ Farm outline
∟ Fenceline September 2013
- - - Farm tracks