

Environmental Impact Assessment Report (EIAR)

Volume 6 of 6: Appendices

(Appendix A11.3) Table of Impact Assessment: Infrastructure Sites

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Table 1.1: Impact Assessment – Infrastructure Sites

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
TY001	Forestry (Monoculture) & Grassland (incl. Grazing Silage, Hay & Leased Grassland)	Low	22.79	<ul style="list-style-type: none"> Raw Water Intake & Pumping Station (CC0) Agronomy Survey Detail: Agronomy field survey record(s): 2017 Roadside to confirm land use: 2017, 2021 & 2025, coupled with confirmation through aerial imagery (Google Maps) and Project Mapper. Record of telephone survey interactions: 2021, 2024 Detailed Ag Use: Land use is monoculture forestry. Total Affected Area: 22.79 Ha Proposed project impact: <ul style="list-style-type: none"> Location for Construction Compound, CC0 -RWI&PS There will be a permanent acquisition of 0.74 ha for the RWI&PS. Temporary land take will be required for the duration of the construction phase to facilitate delivery of the Proposed Project. Temporary severance of the landholding or affected area will occur for the duration of the Proposed Project. Visual and Physical disturbance to affected lands until reinstatement. Duration of construction phase: 18-24 months Impact to farm holding: <ul style="list-style-type: none"> Land take required for construction phase permanent (3%) + temporary (3%) = (6%) Severance Access to land(s) effected; Disturbance to soil profile Potential disturbance to existing field drainage: <ul style="list-style-type: none"> Potential for neighbouring livestock to roam, if land boundaries are not maintained; Removal of trees and or hedgerows on boundaries. There is concern that ground disturbances may lead to potential instances of tuberculosis (TB). 	0.74	0	0.59	Significant	<p>Proposed Project Mitigations:</p> <ul style="list-style-type: none"> Ensure landowner receives at least the minimum notice prior to construction entering the holding; Ensure existing land drainage is re-instated or new drainage pipes are installed; Ensure soil stripping, storage, backfilling and reinstatement are managed appropriately; Ensure access is maintained during the construction phase; Ensure holding stockproof fencing is maintained during the construction phase; Ensure hedgerows and tree are reinstated/replanted. <p>Compensation for Agricultural Holdings:</p> <p>Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Not Significant	<p>Operational Phase Impacts</p> <ul style="list-style-type: none"> Permanent reduction to Forestry area (2%). Access to land may be necessary for maintenance activities during the Operational Phase, which could potentially cause disturbances or nuisances to machinery operations. Minimal impact on current land use once reinstated, farming practices can continue as before. <p>Mitigation:</p> <ul style="list-style-type: none"> Ensure landowner receives at least the minimum notice prior to entering the holding for maintenance works. 	Not Significant	Not Significant	Not Significant

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
TY002	Forestry	Low	15.617	<ul style="list-style-type: none"> Raw Water Intake & Pumping Station (CC0) & Access Road <p>Agronomy Survey Detail: Agronomy field survey record(s): None Roadside to confirm land use: 2017, 2021 & 2025, coupled with confirmation through aerial imagery (Google Maps) and Project Mapper. Record of telephone survey interactions: 2021 Detailed Ag Use: Land use is monoculture forestry. Total Affected Area: 15.617 Ha Proposed project impact: • There will be a permanent acquisition of 1.81 ha for the RWI&PS – CC0 • There will be a permanent acquisition of 0.69 ha for an access road to the RWI&PS. • Permanent wayleave area and a temporary wayleave area for the Treated Water Pipeline from the WTP to the BPT. • Temporary land take will be required for the duration of the construction phase to facilitate delivery of the Proposed Project. • Temporary severance of the landholding or affected area will occur for the duration of the Proposed Project. • Visual and Physical disturbance to affected lands until reinstatement. Duration of construction phase: 18-24 months Impact to farm holding: • Land take required for construction phase permanent (16%) + Temporary (7.5%) = (22%) • Disturbance to soil profile; • Access to land(s) may be affected; • Potential disruption to water supply, livestock access local stream for water; • Severance due to access route to RWIPS. • Potential for neighbouring livestock to roam, if land boundaries are not maintained; • Removal of Trees and or Hedgerows; • Potential disturbance to existing field drainage: • There is concern that ground disturbances may lead to potential instances of tuberculosis (TB).</p>	1.81 (CC0) + 0.69 (Access Road) = 2.5	0.2920	0.19 (CC0) + 0.27 (Access Road) = 0.46 Pipeline 0.7253 - PWA 0.4333	Significant	<p>Proposed Project Mitigations:</p> <ul style="list-style-type: none"> Ensure landowner receives at least the minimum notice prior to construction entering the holding; Ensure existing land drainage is re-instated or new drainage pipes are installed; Ensure soil stripping, storage, backfilling and reinstatement are managed appropriately; Ensure access is maintained during the construction phase; Ensure holding stockproof fencing is maintained during the construction phase; Ensure hedgerows and tree are reinstated/replanted. <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Not Significant	<p>Operational Phase Impacts</p> <ul style="list-style-type: none"> Permanent Reduction to Forestry area (16%). A permanent wayleave area for pipeline. <ul style="list-style-type: none"> Access to land may be necessary for maintenance activities during the Operational Phase, which could potentially cause disturbances or nuisances to machinery operations. Minimal impact on current land use once reinstated, farming practices can continue as before. <p>Mitigation:</p> <ul style="list-style-type: none"> Ensure landowner receives at least the minimum notice prior to entering the holding for maintenance works. 	Not Significant	Not Significant	<p>Not Significant</p> <p>Residual Impacts: The following factors which may lead to Residual Impacts include: • Soil disturbance and compaction: Heavy machinery during construction may cause compaction even at subsoil level, reducing water filtration, and effecting crop growths; • Drainage alterations: Potential that the installation of the pipeline may affect the natural drainage systems that exist, which may cause soil to retain more moisture or cause waterlogging in area of high or sensitive hydrology; • Soil Fertility: despite careful reinstatement it may take some time for the soil structure to full recover thus effecting fertility. Careful management of topsoil and subsoil during the construction phase will be paramount to avoid mixing of soils at reinstatement, if mixing of soils is allowed to occur, this could lead to lower productivity soils, thus a residual effect; • Potential for pipeline settlement for future connections which may create uneven terrain which may affect machinery operations. • Land Use Restrictions: While it's likely that the agricultural activity can resume, certain activities such as crops or trees might be restricted to prevent or avoid potential interference with the pipeline.</p>

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
TY006	Dairy	High	8.6804	<p>• Access Road to Raw Water Intake and Pumping Station – CC0</p> <p>Agronomy Survey Detail: Agronomy field survey record(s): 2024. Detailed Ag Use: Area is an out block to the main dairy platform. This area is used for silage to support feed stocks for herd over winter & grazing for young stock. Total Area Farmed: 56 Ha Total Affected Area: 8.6904 Ha Proposed project impact during construction: • Permanent wayleave area and a temporary wayleave area of for the rising main from the RWIPS. • Temporary land take will be required for the duration of the construction phase to facilitate delivery of the Proposed Project. • Temporary severance of the landholding or affected area will occur for the duration of the Proposed Project. • Visual and Physical disturbance to affected lands until reinstatement. • There will be a permanent acquisition of 0.77 ha for an access road to the RWI&PS Duration of construction phase: 18-24 months Impact to farm holding during construction: • Reduction to affected land area available for farming during the construction phase: permanent (8%) and temporary (7%) = (16.3%). • Reduction to total land area available for farming during the construction phase: permanent (1%) and temporary (1%) = (2%) • Reduction to land area available for farming, with potential consequences under the Nitrates Regulations. • Severance: Yes • Disturbance to soil profile; • Access to land(s) may be affected; • Potential disruption to water supply, livestock access local stream for water; • Permanent severance due to access route to RWIPS. • Potential for neighbouring livestock to roam, if land boundaries are not maintained; • Removal of Trees and or Hedgerows; • Potential disturbance to existing field drainage: • There is concern that ground disturbances may lead to potential instances of tuberculosis (TB).</p>	0.77	0.1293	Pipeline 0.647-PWA 0.5177	Significant	<p>Proposed Project Mitigations:</p> <ul style="list-style-type: none"> • Ensure landowner receives at least the minimum notice prior to construction entering the holding; • Should farm infrastructure such as internal farm roadways, fencing, drinking points, handling units or other be affected, alternative arrangements or facilities should be provided for. • Ensure existing land drainage is re-instated or new drainage pipes are installed; • Ensure soil stripping, storage, backfilling and reinstatement are managed appropriately; • Ensure access is maintained during the construction phase; • Crossing points across the working corridor to access severed lands required. • Ensure drinking water supplies or access to water are a maintained or provided; • Ensure that where utilities such as electricity is compromised, a supply or alternative source is maintained/ provided. • Ensure holding stockproof fencing is maintained during the construction phase; • Ensure hedgerows and tree are reinstated/replanted. <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Not Significant	<p>Operational Phase Impacts</p> <ul style="list-style-type: none"> • Permanent reduction to agricultural area of (2%). • A permanent wayleave area for pipeline. <p>Infrastructure Features include:</p> <ul style="list-style-type: none"> • AV X 2 • LV X 2 • Lay-by Location <ul style="list-style-type: none"> • Access to land may be necessary for maintenance activities during the Operational Phase, which could potentially cause disturbances or nuisances to livestock management. • Minimal impact on current land use once reinstated, farming practices can continue as before. • Access Road will be permanently in place, permanent reduction of c.0.66 Ha to affected area. • Above-ground infrastructure features may pose operational challenges for routine mechanical activities such as fertiliser application and harvesting, potentially causing inefficiencies or requiring additional manoeuvring to avoid obstructions. • Ensure above ground infrastructure are protected from livestock to prevent damage to infrastructure and injury to livestock. <p>Mitigation:</p> <ul style="list-style-type: none"> • Ensure landowner receives at least the minimum notice prior to entering the holding for maintenance works. • The project has aimed to position above-ground infrastructure as close to field boundaries as practicable to reduce interference with farming operations. However, where this is not fully achievable, efforts will be made to ensure sufficient clearance for machinery and, where needed, to mark buffer zones or use low-profile designs to minimise disruption 	Not Significant	Not Significant	<p>Not Significant</p> <p>Residual Impacts: The following factors which may lead to Residual Impacts include: • Soil disturbance and compaction: Heavy machinery during construction may cause compaction even at subsoil level, reducing water filtration, and effecting crop growths; • Drainage alterations: Potential that the installation of the pipeline may affect the natural drainage systems that exist, which may cause soil to retain more moisture or cause waterlogging in area of high or sensitive hydrology; • Soil Fertility: despite careful reinstatement it may take some time for the soil structure to full recover thus effecting fertility. Careful management of topsoil and subsoil during the construction phase will be paramount to avoid mixing of soils at reinstatement, if mixing of soils is allowed to occur, this could lead to lower productivity soils, thus a residual effect; • Potential for pipeline settlement for future connections which may create uneven terrain which may affect machinery operations. • Land Use Restrictions: While it's likely that the agricultural activity can resume, certain activities such as crops or trees might be restricted to prevent or avoid potential interference with the pipeline.</p>

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
TY009	Forestry (Monoculture)	Low	79.881	<p>•Access Road to Water Treatment Plant – CC1</p> <p>Agronomy Survey Detail: Agronomy field survey record(s): 2017. Roadside to confirm land use: 2025, coupled with confirmation through aerial imagery (Google Maps) and Project Mapper. Record of telephone survey interactions: 2021 & 2024 Detailed Ag Use: Forestry monoculture area affected. Total Affected Area: 79.881 Ha Proposed Project impact: • Permanent wayleave area and a temporary wayleave area for the rising main from the RWPS. • Temporary land take will be required for the duration of the construction phase to facilitate delivery of the Proposed Project. • Temporary severance of the landholding or affected area will occur for the duration of the Proposed Project. • Visual and Physical disturbance to affected lands until reinstatement. • There will be a permanent acquisition of 1.12 ha for an access road to the Water Treatment Plant. Duration of construction phase: 18-24 months Impact to farm holding: • Reduction to affected land area available for farming during the construction phase: permanent (1.5%) and temporary (4%) = (6%). • Severance: Yes - Severed by Pipeline 36424.25 Severing 75761.67 (north) from parcel • Land take: East side: Land Take for Access Road - 10488.12</p>	1.12	1.49 (742.47 X20)	3.72 – PWA 2.23 + 0.22 access road TWA = 2.45	Significant	<p>Proposed Project Mitigations:</p> <ul style="list-style-type: none"> • Ensure landowner receives at least the minimum notice prior to construction entering the holding; • Ensure existing land drainage is re-instated or new drainage pipes are installed; • Ensure soil stripping, storage, backfilling and reinstatement are managed appropriately; • Ensure access is maintained during the construction phase; • Ensure holding stockproof fencing is maintained during the construction phase; • Ensure hedgerows and tree are reinstated/replanted. <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Not Significant	<p>Operational Phase Impacts</p> <ul style="list-style-type: none"> • Permanent Reduction to Forestry area (3%) • A permanent wayleave area for pipeline. <p>Infrastructure Features include:</p> <ul style="list-style-type: none"> • AV X 2 <ul style="list-style-type: none"> • Access to land may be necessary for maintenance activities during the Operational Phase, which could potentially cause disturbances or nuisances to livestock management. • Minimal impact on current land use once reinstated, farming practices can continue as before. • Access Road will be permanently in place, permanent reduction of c.0.66 Ha to affected area. • Above-ground infrastructure features may pose operational challenges for routine mechanical activities such as fertiliser application and harvesting, potentially causing inefficiencies or requiring additional manoeuvring to avoid obstructions. • Ensure above ground infrastructure are protected from livestock to prevent damage to infrastructure and injury to livestock. <p>Mitigation:</p> <ul style="list-style-type: none"> • Ensure landowner receives at least the minimum notice prior to entering the holding for maintenance works. • The project has aimed to position above-ground infrastructure as close to field boundaries as practicable to reduce interference with farming operations. However, where this is not fully achievable, efforts will be made to ensure sufficient clearance for machinery and, where needed, to mark buffer zones or use low-profile designs to minimise disruption 	Not Significant	Not Significant	<p>Not Significant</p> <p>Residual Impacts: The following factors which may lead to Residual Impacts include:</p> <ul style="list-style-type: none"> • Soil disturbance and compaction: Heavy machinery during construction may cause compaction even at subsoil level, reducing water filtration, and effecting crop growths; • Drainage alterations: Potential that the installation of the pipeline may affect the natural drainage systems that exist, which may cause soil to retain more moisture or cause waterlogging in area of high or sensitive hydrology; • Soil Fertility: despite careful reinstatement it may take some time for the soil structure to full recover thus effecting fertility. Careful management of topsoil and subsoil during the construction phase will be paramount to avoid mixing of soils at reinstatement, if mixing of soils is allowed to occur, this could lead to lower productivity soils, thus a residual effect; • Potential for pipeline settlement for future connections which may create uneven terrain which may affect machinery operations. • Land Use Restrictions: While it's likely that the agricultural activity can resume, certain activities such as crops or trees might be restricted to prevent or avoid potential interference with the pipeline

Individual Farm Impact					Construction Phase						Operational Phase			
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
TY010	Drystock (incl. Beef, Sucklers, Contract Rearing)	Medium	9.96	•Water Treatment Plant CC1 - WTP Agronomy Survey Detail: Agronomy field survey record(s): 2024. Detailed Ag Use: A dry stock (calves to store) enterprise. The farm is fragmented across four separate land blocks. The impacted block is the primary landholding and is used for grazing, slurry spreading, and silage production. Total Area Farmed: 28.32Ha Total Affected Area: 9.96 Ha Proposed Project Impact • Permanent land take of 9.96 Ha for the WTP. Impact to farm holding: • Any reduction to land area available for farming may have potential consequences under the Nitrates Regulations. • Permanent reduction to affected area (100%) • Permanent reduction to total area farmed: (35% reduction).	9.96	0	0	Significant	Proposed Project Mitigations: • Ensure landowner receives at least the minimum notice prior to construction entering the holding. Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.	Moderate	Operational Phase Impacts • Permanent Reduction to Agricultural area (35%).	Not Significant	Not Significant	Not Significant
TY011 TY126	Dairy & Drystock (incl. Beef, Sucklers, Contract Rearing)	High	18.24	•Water Treatment Plant CC1 - WTP Agronomy Survey Detail: Agronomy field survey record(s): 2024. Detailed Ag Use: A dairy and calf to beef enterprise. Farm is fragmented, farming 3 separate blocks, the impacted block is used for grazing young stock, silage and slurry spreading. Total Area Farmed: 91.05 Ha Total Area Affected: 18.24 Ha Proposed Project effect during construction: • Permanent land take for WTP. Impact to farm holding: • Any reduction to land area available for farming may have potential consequences under the Nitrates Regulations. • Permanent reduction to affected area (100%). • Permanent reduction to total farmed area (20%)	18.24	0	0	Very Significant	Proposed Project Mitigations: • Ensure landowner receives at least the minimum notice prior to construction entering the holding. Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.	Significant	Operational Phase Impacts • Permanent Reduction to Agricultural area (20%)	Not Significant	Not Significant	Not Significant

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
TY125	Grassland (incl. Grazing Silage, Hay & Leased Grassland)	Low	10.67	<p>•Water Treatment Plant CC1 - WTP</p> <p>Agronomy Survey Detail: Agronomy field survey record(s): None. Roadside to confirm land use: 2025, coupled with confirmation through aerial imagery (Google Maps) and Project Mapper. Detailed Ag Use: Area is a grassland farm Total Affected Area: 10.67 Ha Proposed project impact during construction: • Permanent land take of 0.9 Ha for WTP. Duration of construction phase: 18-24 months Impact to farm holding during construction: • Permanent (8%) reduction in the affected area available for leasing or farming. • Potential disruption to utilities, access to drinkers. • Disturbance to soil profile • Potential disturbance to existing field drainage: • Potential for neighbouring livestock to roam, if land boundaries are not maintained; • Removal of trees and or hedgerows on boundaries</p>	0.9	0	0	Significant	<p>Proposed Project Mitigations: • Ensure landowner receives at least the minimum notice prior to construction entering the holding.</p> <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Moderate	Operational Phase Impacts: None Operational Phase Impacts • Permanent Reduction to Agricultural area (8%)	Not Significant	Not Significant	Not Significant

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
TY013	Drystock (incl. Beef, Sucklers, Contract Rearing)	Medium	12.068	<ul style="list-style-type: none"> • Access Road to CC1 - WTP <p>Agronomy Survey Detail: Agronomy field survey record(s): 2024 Detailed Ag Use Drystock (suckler system) in operation. The farm is fragmented. The affected area is part of an out block utilised for grazing and silage, Total Area Farmed: 50 Ha Total Area Affected: 12.068 Ha Proposed Project impact: •There will be a permanent acquisition of 0.726ha for an access road to the Water Treatment Plant. •Permanent wayleave area and a temporary wayleave area for the access road Duration of construction phase: 18-24 months Impact to farm holding: • Reduction to affected land area available for farming during the construction phase: permanent (6%) and temporary (9%) = (15%). • Reduction to total land area available for farming during the construction phase: permanent (1%) and temporary (2%) = (3%) •Severance: Yes - Severed by Access Road c.3395.00m2 cutting c.2412.09m2 (north) from Parcel • Potential disruption to water supply, livestock access local stream for water; • Potential for neighbouring livestock to roam, if land boundaries are not maintained; • Removal of Trees and or Hedgerows; • Potential disturbance to existing field drainage: • There is concern that ground disturbances may lead to potential instances of tuberculosis (TB). </p>	0.726	0	1.796 -0.726 1.07	Significant	<p>Proposed Project Mitigations: •Ensure landowner receives at least the minimum notice prior to construction entering the holding; •Ensure existing land drainage is re-instated or new drainage pipes are installed; • Ensure soil stripping, storage, backfilling and reinstatement are managed appropriately; • Ensure access is maintained during the construction phase; • Ensure holding stockproof fencing is maintained during the construction phase; • Ensure hedgerows and tree are reinstated/replanted.</p> <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Moderate	Operational Phase Impacts • Permanent reduction to agricultural area (1%). • Potential Future Connection	Not Significant	Not Significant	Not Significant
TY123	Grassland (incl. Grazing Silage, Hay & Leased Grassland)	Low	2.006	<ul style="list-style-type: none"> • Access Road to CC3 -BPT <p>Agronomy Survey Detail: Agronomy field survey record(s): None Roadside to confirm land use: 2017, 2021 & 2025, coupled with confirmation through aerial imagery (Google Maps) and Project Mapper. Record of telephone survey interactions: None Detailed Ag Use: The affected area is in grassland. Total Affected Area: 2.006 Ha Proposed project impact: •There will be a permanent acquisition of 0.01 ha for the Access Road to the BPT. •Permanent wayleave area and a temporary wayleave area for the access road Impact to farm holding during construction: • Reduction to affected land area available for farming (<1%) • Access to lands will need to be maintained. </p>	0.01	0	0.01	Significant	<p>Proposed Project Mitigations: • Ensure landowner receives at least the minimum notice prior to construction entering the holding. • Ensure Access is maintained during the construction period.</p> <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Not Significant	Operational Phase Impacts • Permanent reduction to agricultural area (1% reduction). •Alternative access required	Not Significant	Not Significant	Not Significant

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
TY105	Grassland (incl. Grazing Silage, Hay & Leased Grassland)	Low	14.6	<p>•Break Pressure Tank – CC3 + Access Road</p> <p>Agronomy Survey Detail: Agronomy field survey record(s): 2024 Detailed Ag Use: Affected area is a grassland plot currently leased out. Total Affected Area: 14.16 Proposed project impact: •There will be a permanent acquisition of 5.197 ha for the BPT - Construction Compound, CC3. •There will be a permanent acquisition of 1.77 ha for Access Road. •Permanent wayleave area and a temporary wayleave area for the pressure pipeline to the BPT. •Temporary land take will be required for the duration of the construction phase to facilitate delivery of the Proposed Project. • Temporary severance of the landholding or affected area will occur for the duration of the Proposed Project. • Visual and Physical disturbance to affected lands until reinstatement. Duration of construction phase: 18-24 months Impact to farm holding: • Reduction to affected land area available for farming during the construction phase: permanent (48%) and temporary (12%) = (60%). • Potential disruption to water supply, livestock access local stream for water; • Potential for neighbouring livestock to roam, if land boundaries are not maintained; • Removal of Trees and or Hedgerows; • Potential disturbance to existing field drainage: • There is concern that ground disturbances may lead to potential instances of tuberculosis (TB).</p>	5.197 (BPT) + 1.77 (Access Road) = 6.96	132.90 + 31.95 X 20 = 0.83	(BPT) 0.54 + (Access Road) 0.29 = 0.83 (Pipeline) 0.9927 – PWA 0.663	Significant	<p>Proposed Project Mitigations: •Ensure landowner receives at least the minimum notice prior to construction entering the holding; •Ensure existing land drainage is re-instated or new drainage pipes are installed; • Ensure soil stripping, storage, backfilling and reinstatement are managed appropriately; • Ensure access is maintained during the construction phase; • Ensure holding stockproof fencing is maintained during the construction phase; • Ensure hedgerows and tree are reinstated/replanted.</p> <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Slight	<p>Operational Phase Impacts • Permanent reduction to agricultural area (48%) • A permanent wayleave area for pipeline.</p> <p>• Access to land may be necessary for maintenance activities during the Operational Phase, which could potentially cause disturbances or nuisances to machinery operations. • Minimal impact on current land use once reinstated, farming practices can continue as before.</p> <p>Mitigation: • Ensure landowner receives at least the minimum notice prior to entering the holding for maintenance works.</p>	Not Significant	Not Significant	<p>Not Significant</p> <p>Residual Impacts: The following factors which may lead to Residual Impacts include: • Soil disturbance and compaction: Heavy machinery during construction may cause compaction even at subsoil level, reducing water filtration, and effecting crop growths; • Drainage alterations: Potential that the installation of the pipeline may affect the natural drainage systems that exist, which may cause soil to retain more moisture or cause waterlogging in area of high or sensitive hydrology; • Soil Fertility: despite careful reinstatement it may take some time for the soil structure to full recover thus effecting fertility. Careful management of topsoil and subsoil during the construction phase will be paramount to avoid mixing of soils at reinstatement, if mixing of soils is allowed to occur, this could lead to lower productivity soils, thus a residual effect; • Potential for pipeline settlement for future connections which may create uneven terrain which may affect machinery operations. • Land Use Restrictions: While it's likely that the agricultural activity can resume, certain activities such as crops or trees might be restricted to prevent or avoid potential interference with the pipeline.</p>

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
OY069	Drystock (incl. Beef, Sucklers, Contract Rearing)	Medium	10.618	<p>•Booster Pumping Station CC4 and access road</p> <p>Agronomy Survey Detail: Agronomy field survey record(s): None Roadside to confirm land use: 2017, 2021 & 2025, coupled with confirmation through aerial imagery (Google Maps) and Project Mapper. Record of telephone survey interactions: 2021 Detailed Ag Use: Drystock (beef) system in operation and affected area is utilised for grazing and silage. Total Affected Area: 10.618 Ha Proposed project impact: Permanent wayleave area and a temporary wayleave area for the gravity pipeline. • Permanent Infrastructure Site (CC4) – BPS • Visual and Physical disturbance to affected lands. •Duration of construction phase: 18-24 months Impact to farm holding: • Reduction to affected land area available for farming during the construction phase: permanent (16%) and temporary (15%) = (31%). •Land take BPS; • Potential disruption to utilities, access to drinkers. • Disturbance to soil profile • Potential disturbance to existing field drainage: • Potential for neighbouring livestock to roam, if land boundaries are not maintained; • Removal of trees and or hedgerows on boundaries.</p>	(CC4) = 1.54 + (Access Road) 0.15 = 1.69	10.36 x 20 0.0207	CC4 (0.69) + (0.9) (Access Road) 0.0393 (pipeline)	Significant	<p>Proposed Project Mitigations: •Ensure landowner receives at least the minimum notice prior to construction entering the holding; •Ensure existing land drainage is re-instated or new drainage pipes are installed; • Ensure soil stripping, storage, backfilling and reinstatement are managed appropriately; • Ensure access is maintained during the construction phase; • Ensure holding stockproof fencing is maintained during the construction phase; • Ensure hedgerows and tree are reinstated/replanted.</p> <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Moderate	<p>Operational Phase Impacts: • A permanent wayleave area for pipeline. • Permanent reduction to agricultural area (16%) •Alternative access maybe required</p> <p>• Access to land may be necessary for maintenance activities during the Operational Phase, which could potentially cause disturbances or nuisances to machinery operations.</p> <p>Mitigation: • Ensure landowner receives at least the minimum notice prior to entering the holding for maintenance works.</p>	Slight	Not Significant	<p>Not Significant</p> <p>Residual Impacts: The following factors which may lead to Residual Impacts include: • Soil disturbance and compaction: Heavy machinery during construction may cause compaction even at subsoil level, reducing water filtration, and effecting crop growths; • Drainage alterations: Potential that the installation of the pipeline may affect the natural drainage systems that exist, which may cause soil to retain more moisture or cause waterlogging in area of high or sensitive hydrology; • Soil Fertility: despite careful reinstatement it may take some time for the soil structure to full recover thus effecting fertility. Careful management of topsoil and subsoil during the construction phase will be paramount to avoid mixing of soils at reinstatement, if mixing of soils is allowed to occur, this could lead to lower productivity soils, thus a residual effect; • Potential for pipeline settlement for future connections which may create uneven terrain which may affect machinery operations. • Land Use Restrictions: While it's likely that the agricultural activity can resume, certain activities such as crops or trees might be restricted to prevent or avoid potential interference with the pipeline.</p>

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
OY070	Grassland (incl. Grazing Silage, Hay & Leased Grassland)	Low	3.19	<p>•Booster Pumping Station CC4 and access road</p> <p>Agronomy Survey Detail: Agronomy field survey record(s): None Roadside to confirm land use: 2017, 2021 & 2025, coupled with confirmation through aerial imagery (Google Maps) and Project Mapper. Record of telephone survey interactions: None Detailed Ag Use: Affected area confirmed as grassland likely used for grazing and silage. Proposed project impact: A temporary construction compound of 5.29 Ha to facilitate CC4 and construction of the BPS. There will be a permanent acquisition of 3.032ha for the Booster Pumping Station (BPS). Permanent wayleave area and a temporary wayleave area for the gravity pipeline. Duration of construction phase: 18-24 months Impact to farm holding: • Reduction to affected land area available for farming during the construction phase: permanent (25%) and temporary (74%) = (99%). • Land take; yes • Potential disruption to utilities, access to drinkers. • Disturbance to soil profile • Potential disturbance to existing field drainage: • Potential for neighbouring livestock to roam, if land boundaries are not maintained; • Removal of trees and or hedgerows on boundaries</p>	(CC4) 0.69 + (Access Road) 0.11 = 0.8	32.19 X 20 0.0643	2.2 (CC4) + 0.1057 (pipeline)	Significant	<p>Proposed Project Mitigations: • Ensure landowner receives at least the minimum notice prior to construction entering the holding; • Ensure existing land drainage is re-instated or new drainage pipes are installed; • Ensure soil stripping, storage, backfilling and reinstatement are managed appropriately; • Ensure access is maintained during the construction phase; • Ensure holding stockproof fencing is maintained during the construction phase; • Ensure hedgerows and tree are reinstated/replanted.</p> <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Significant	<p>Operational Phase Impacts: • A permanent wayleave area for pipeline. • Permanent reduction to agricultural area (21% reduction) •Alternative access may be required</p> <p>Infrastructure Features include: • AV x1 • WB x1</p> <p>• Access to land may be necessary for maintenance activities during the Operational Phase, which could potentially cause disturbances or nuisances to livestock management. • Minimal impact on current land use once reinstated, farming practices can continue as before. •Access Road will be permanently in place, permanent reduction of c.0.66 Ha to affected area. •Above-ground infrastructure features may pose operational challenges for routine mechanical activities such as fertiliser application and harvesting, potentially causing inefficiencies or requiring additional manoeuvring to avoid obstructions. • Ensure above ground infrastructure are protected from livestock to prevent damage to infrastructure and injury to livestock.</p> <p>Mitigation: • Ensure landowner receives at least the minimum notice prior to entering the holding for maintenance works. • The project has aimed to position above-ground infrastructure as close to field boundaries as practicable to reduce interference with farming operations. However, where this is not fully achievable, efforts will be made to ensure sufficient clearance for machinery and, where needed, to mark buffer zones or use low-profile designs to minimise disruption</p>	Slight	Not Significant	<p>Not Significant</p> <p>Residual Impacts: The following factors which may lead to Residual Impacts include: • Soil disturbance and compaction: Heavy machinery during construction may cause compaction even at subsoil level, reducing water filtration, and effecting crop growths; • Drainage alterations: Potential that the installation of the pipeline may affect the natural drainage systems that exist, which may cause soil to retain more moisture or cause waterlogging in area of high or sensitive hydrology; • Soil Fertility: despite careful reinstatement it may take some time for the soil structure to full recover thus effecting fertility. Careful management of topsoil and subsoil during the construction phase will be paramount to avoid mixing of soils at reinstatement, if mixing of soils is allowed to occur, this could lead to lower productivity soils, thus a residual effect; • Potential for pipeline settlement for future connections which may create uneven terrain which may affect machinery operations. • Land Use Restrictions: While it's likely that the agricultural activity can resume, certain activities such as crops or trees might be restricted to prevent or avoid potential interference with the pipeline.</p>

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
OY07 1	Mixed Livestock (combination of Sheep, Equine and or Drystock)	Medium	56.308	<ul style="list-style-type: none"> • Access Road to CC4 - Booster Pumping Station <p>Agronomy Survey Detail: Agronomy field survey record(s): None Roadside to confirm land use: 2017, 2021 & 2025, coupled with confirmation through aerial imagery (Google Maps) and Project Mapper. Record of telephone survey interactions: None Detailed Ag Use: Affected area is confirmed as grassland, likely managed as part of an intensive mixed livestock (sheep and dry stock) operation. Total Affected Area: 56.308 Ha Proposed project impact: • Permanent wayleave area and a temporary wayleave area for the Treated Water Pipeline from the BPT to the TPR • There will be a permanent acquisition of 0.04 ha for the Access Road to the BPS. • Temporary land take will be required for the duration of the construction phase to facilitate delivery of the Proposed Project. • Temporary severance of the landholding or affected area will occur for the duration of the Proposed Project. • Visual and Physical disturbance to affected lands. Duration of construction phase: 18-24 months Impact to farm holding: • Reduction to affected land area available for farming during the construction phase: permanent (<1%) and temporary (11.6%) = (<12%). • Disruption to existing paddocking system; • Severance: Yes; • Any reduction to land available for farming may have potential consequences under the Nitrates Regulations. • Potential disruption to utilities, access to drinkers; • Potential disruption to internal farm roadways; • Disturbance to soil profile; • Potential disturbance to existing field drainage; • Access to land(s) effected; • Potential for neighbouring livestock to roam, if land boundaries are not maintained; • Removal of trees and or hedgerows on boundaries.</p>	0.04 (access road)	0.9952 (pipeline)	5.5524 (pipeline)	Significant	<p>Proposed Project Mitigations:</p> <ul style="list-style-type: none"> • Ensure landowner receives at least the minimum notice prior to construction entering the holding; • Should farm infrastructure such as internal farm roadways, fencing, drinking points, handling units or other be affected, alternative arrangements or facilities should be provided for. • Ensure existing land drainage is re-instated or new drainage pipes are installed; • Ensure soil stripping, storage, backfilling and reinstatement are managed appropriately and compaction issues rectified; • Ensure access is maintained during the construction phase; • Crossing points across the working corridor to access severed lands required. • Ensure drinking water supplies or access to water are a maintained or provided; • Ensure that where utilities such as electricity is compromised, a supply or alternative source is maintained/ provided; • Ensure alternative roadways, where disrupted, alternatives are provided. • Ensure holding stockproof fencing is maintained during the construction phase; • Ensure hedgerows and trees are reinstated/replanted. <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Moderate - Significant	<p>Operational Phase Impacts:</p> <ul style="list-style-type: none"> • A permanent wayleave area for pipeline. • Permanent reduction to area available for farming for Access Road to CC4 (0.07%) <p>Infrastructure Features include:</p> <ul style="list-style-type: none"> • MW x1 • AV x1 <ul style="list-style-type: none"> • Access to land may be necessary for maintenance activities during the Operational Phase, which could potentially cause disturbances or nuisances to machinery operations. • Minimal impact on current land use once reinstated, farming practices can continue as before. • Above-ground infrastructure features may pose operational challenges for routine mechanical activities such as fertiliser application and harvesting, potentially causing inefficiencies or requiring additional manoeuvring to avoid obstructions. • Ensure above ground infrastructure are protected from livestock to prevent damage to infrastructure and injury to livestock. <p>Mitigation:</p> <ul style="list-style-type: none"> • Ensure landowner receives at least the minimum notice prior to entering the holding for maintenance works. • The project has aimed to position above-ground infrastructure as close to field boundaries as practicable to reduce interference with farming operations. However, where this is not fully achievable, efforts will be made to ensure sufficient clearance for machinery and, where needed, to mark buffer zones or use low-profile designs to minimise disruption to routine agricultural activities. 	Slight	Not Significant	<p>Not Significant</p> <p>Residual Impacts: The following factors which may lead to Residual Impacts include: • Soil disturbance and compaction: Heavy machinery during construction may cause compaction even at subsoil level, reducing water filtration, and effecting crop growths; • Drainage alterations: Potential that the installation of the pipeline may affect the natural drainage systems that exist, which may cause soil to retain more moisture or cause waterlogging in area of high or sensitive hydrology; • Soil Fertility: despite careful reinstatement it may take some time for the soil structure to full recover thus effecting fertility. Careful management of topsoil and subsoil during the construction phase will be paramount to avoid mixing of soils at reinstatement, if mixing of soils is allowed to occur, this could lead to lower productivity soils, thus a residual effect; • Potential for pipeline settlement for future connections which may create uneven terrain which may affect machinery operations. • Land Use Restrictions: While it's likely that the agricultural activity can resume, certain activities such as crops or trees might be restricted to prevent or avoid potential interference with the pipeline.</p>

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
KE066	Mixed Livestock (combination of Sheep, and Drystock)	Medium	58.737	<ul style="list-style-type: none"> •Flow Control Valve (FCV) <p>Agronomy Survey Detail: Agronomy field survey record(s): 2017 Roadside to confirm land use: 2021 & 2025, coupled with confirmation through aerial imagery (Google Maps) and Project Mapper. Record of telephone survey interactions: 2021 Detailed Ag Use: Drystock (beef finishing) and sheep (ewe and lamb) farming in operation. Total Affected Area: 58.737Ha Proposed Project Impact: •Permanent acquisition for Flow Control Valve • Permanent wayleave area and a temporary wayleave area for the Treated Water Pipeline from the BPT to the TPR •Temporary land take will be required for the duration of the construction phase to facilitate delivery of the Proposed Project. • Temporary severance of the landholding or affected area will occur for the duration of the Proposed Project. • Visual and Physical disturbance to affected lands. Duration of construction phase: 18-24 months Impact to farm holding: • Reduction to affected land area available for farming during the construction phase: permanent (<1%) and temporary (9%) = (<10%). • Severance • Access to land(s) effected; • Potential disruption to utilities water and electricity, access to drinkers and disruption to buried pipes; • Disturbance to soil profile • Potential disturbance to existing field drainage: • Potential for neighbouring livestock to roam, if land boundaries are not maintained; • Removal of trees and or hedgerows on boundaries.</p>	0.5 (FCV)	1.6882	4.0267	Significant	<p>Proposed Project Mitigations:</p> <ul style="list-style-type: none"> • Ensure landowner receives at least the minimum notice prior to construction entering the holding; • Ensure existing land drainage is re-instated or new drainage pipes are installed; • Ensure soil stripping, storage, backfilling and reinstatement are managed appropriately; • Ensure access is maintained during the construction phase; • Ensure holding stockproof fencing is maintained during the construction phase; • Ensure hedgerows and tree are reinstated/replanted. <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Not Significant	<p>Operational Phase Impacts:</p> <ul style="list-style-type: none"> • A permanent wayleave area for pipeline. • Permanent reduction to area available for farming for Flow Control Valve (0.9%) <ul style="list-style-type: none"> • Access to land may be necessary for maintenance activities during the Operational Phase, which could potentially cause disturbances or nuisances to livestock management. • Minimal impact on current land use once reinstated, farming practices can continue as before. •Access Road will be permanently in place, permanent reduction of c.0.66 Ha to affected area. •Above-ground infrastructure features may pose operational challenges for routine mechanical activities such as fertiliser application and harvesting, potentially causing inefficiencies or requiring additional manoeuvring to avoid obstructions. • Ensure above ground infrastructure are protected from livestock to prevent damage to infrastructure and injury to livestock. <p>Mitigation:</p> <ul style="list-style-type: none"> • Ensure landowner receives at least the minimum notice prior to entering the holding for maintenance works. • The project has aimed to position above-ground infrastructure as close to field boundaries as practicable to reduce interference with farming operations. However, where this is not fully achievable, efforts will be made to ensure sufficient clearance for machinery and, where needed, to mark buffer zones or use low-profile designs to minimise disruption 	Slight	Slight	<p>Slight</p> <p>Residual Impacts: The following factors which may lead to Residual Impacts include:</p> <ul style="list-style-type: none"> • Soil disturbance and compaction: Heavy machinery during construction may cause compaction even at subsoil level, reducing water filtration, and effecting crop growths; • Drainage alterations: Potential that the installation of the pipeline may affect the natural drainage systems that exist, which may cause soil to retain more moisture or cause waterlogging in area of high or sensitive hydrology; • Soil Fertility: despite careful reinstatement it may take some time for the soil structure to full recover thus effecting fertility. Careful management of topsoil and subsoil during the construction phase will be paramount to avoid mixing of soils at reinstatement, if mixing of soils is allowed to occur, this could lead to lower productivity soils, thus a residual effect; • Potential for pipeline settlement for future connections which may create uneven terrain which may affect machinery operations. • Land Use Restrictions: While it's likely that the agricultural activity can resume, certain activities such as crops or trees might be restricted to prevent or avoid potential interference with the pipeline.

Individual Farm Impact					Construction Phase					Operational Phase				
Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Parcel Area (Ha)	Individual Farm Impact	Permanent Acquisition (ha)	Permanent Wayleaves (circa. ha)	Temporary Wayleave (ha)	Level of Overall Impact Pre-Mitigation	Mitigation Relating to Disturbance of Farming Activities	Level of Overall Impact Post Mitigation	Individual Farm Impact	Level of Overall Impact Pre-Mitigation	Level of Overall Impact Post Mitigation	Level of Residual Impact on Farm
DN015	Tillage (All land tilled or marked for tillage— private, leased, or within mixed use)	Medium	72.086	<p>•Termination Point Reservoir CC7</p> <p>Agronomy Survey Detail: Agronomy field survey record(s): None Roadside to confirm land use: 2025, coupled with confirmation through aerial imagery (Google Maps) and Project Mapper. Record of telephone survey interactions: None Detailed Ag Use: Tillage enterprise in operation. Part of DN015 leased to adjacent operation DN014 and used for Tillage with an oilseed rape, spring beans, spring barley, and winter barley crop rotation. Remainder of DN015 in tillage production confirmed through aerial imagery (Google Maps), Project Mapper and roadside assessment. Total Affected Area: 72.806 Ha Proposed Project impact: •Permanent acquisition for TPR and temporary wayleave for Construction Compound. • Permanent wayleave area and a temporary wayleave area for the Treated Water Pipeline from the BPT to the TPR • Temporary severance of the landholding or affected area will occur for the duration of the Proposed Project. • Visual and Physical disturbance to affected lands. Duration of construction phase: 18-24 months Impact to farm holding: • Reduction to affected land area available for farming during the construction phase: permanent (12%) and temporary (4%) = (16%). • Severance • Access to land(s) effected; • Disturbance to soil profile • Potential disturbance to existing field drainage: • Potential for neighbouring livestock to roam, if land boundaries are not maintained; • Removal of trees and or hedgerows on boundaries.</p>	7.46 (CC) +0.87 (access road) =8.33	1.2396	2.8635-PWA 1.624 (Pipeline) 1.09 (CC7)	Significant	<p>Proposed Project Mitigations:</p> <ul style="list-style-type: none"> • Ensure landowner receives at least the minimum notice prior to construction entering the holding. • Ensure Access is maintained during the construction period. <p>Compensation for Agricultural Holdings: Compensation will be provided to landowners and occupiers to address both temporary and permanent impacts on agricultural holdings resulting from the project. This measure forms part of the mitigation strategy to ensure that disruption to farming operations is minimised and that affected parties are fairly and appropriately compensated for loss of land, reduced access, or interference with agricultural infrastructure.</p>	Not Significant	<p>Operational Phase Impacts:</p> <ul style="list-style-type: none"> • A permanent wayleave area for pipeline. • Permanent reduction to agricultural area (12%) for CC7. • Alternative access maybe required <p>Infrastructure Features include:</p> <ul style="list-style-type: none"> • MW X 1 • AV X1 <ul style="list-style-type: none"> • Access to land may be necessary for maintenance activities during the Operational Phase, which could potentially cause disturbances or nuisances to machinery operations. • Minimal impact on current land use once reinstated, farming practices can continue as before. • Above-ground infrastructure features may pose operational challenges for routine mechanical activities such as fertiliser application and harvesting, potentially causing inefficiencies or requiring additional manoeuvring to avoid obstructions. • Ensure above ground infrastructure are protected from livestock to prevent damage to infrastructure and injury to livestock. <p>Mitigation:</p> <ul style="list-style-type: none"> • Ensure landowner receives at least the minimum notice prior to entering the holding for maintenance works. • The project has aimed to position above-ground infrastructure as close to field boundaries as practicable to reduce interference with farming operations. However, where this is not fully achievable, efforts will be made to ensure sufficient clearance for machinery and, where needed, to mark buffer zones or use low-profile designs to minimise disruption to routine agricultural activities. 	Slight	Not Significant	<p>Not Significant</p> <p>Residual Impacts: The following factors which may lead to Residual Impacts include:</p> <ul style="list-style-type: none"> • Soil disturbance and compaction: Heavy machinery during construction may cause compaction even at subsoil level, reducing water filtration, and effecting crop growths; • Drainage alterations: Potential that the installation of the pipeline may affect the natural drainage systems that exist, which may cause soil to retain more moisture or cause waterlogging in area of high or sensitive hydrology; • Soil Fertility: despite careful reinstatement it may take some time for the soil structure to full recover thus effecting fertility. Careful management of topsoil and subsoil during the construction phase will be paramount to avoid mixing of soils at reinstatement, if mixing of soils is allowed to occur, this could lead to lower productivity soils, thus a residual effect; • Potential for pipeline settlement for future connections which may create uneven terrain which may affect machinery operations. • Land Use Restrictions: While it's likely that the agricultural activity can resume, certain activities such as crops or trees might be restricted to prevent or avoid potential interference with the pipeline.