



FLOOD RISK MANAGEMENT (SCOTLAND) ACT 2009

PERTH & KINROSS COUNCIL

COMRIE FLOOD PROTECTION SCHEME 2020



## 1 General

In exercise of the powers conferred upon them by the Flood Risk Management (Scotland) Act 2009 (hereinafter referred to as “the Act”), Perth & Kinross Council (hereinafter referred to as “the Council”) have prepared the following flood protection scheme (hereinafter referred to as “the Scheme”) the purpose of which is to manage the combined risk of flooding within the towns of Comrie and Dalginross from the Water of Ruchill, the River Earn and the River Lednock. The Scheme may be cited as the Comrie Flood Protection Scheme 2020.

The Scheme is identified in Tay Flood Risk Management Strategy (published 14 December 2015 by SEPA) and the Tay Local Plan District (LPD) Flood Risk Management Plan (published 22nd June 2016 by the Council) as a measure to reduce flood risk within Comrie. In accordance with Section 60(2)(c) of the Act, the Scheme contributes to the implementation of measures identified in the Tay LPD Flood Risk Management Plan.

## 2 Terms of the Scheme

The terms of the Scheme are as detailed in Sections 3 to 8 hereunder.

If confirmed the Scheme shall become operative 6 weeks after notice of confirmation of the Scheme is published in accordance with requirements of Schedule 2 of the Act.

### 3 Site of the Flood Protection Operations

The site at which the flood protection operations (hereinafter referred to as “the Operations”) are to be carried out in terms of the Scheme are situated at Comrie and Dalginross and is shown on the plan marked 119398/400/300 (Rev. 0), Flood Protection Operations Overall Layout, annexed and executed as relative hereto.

## 4 Description of the Operations

Descriptions of the Operations are split into the following<sup>1</sup>:

- EL01: River Earn left bank public space in front of Comrie Community Centre
- EL02: River Earn left bank from Dalginross Bridge to Ancaster Lane
- EL03: River Earn left bank from Ancaster Lane to River Earn and River Lednock confluence
- EL04: River Earn left bank from River Lednock confluence along Comrie Holiday Park boundary
- EL05: River Earn left bank from Comrie Holiday Park boundary to field boundary
- ELGW: River Earn left bank gas works
- ER01: River Earn right at Field of Refuge from car park to Dalginross Bridge
- ER02: River Earn right bank from Dalginross bridge to Legion Park
- ER03: River Earn right bank from Legion Park to Garry Place
- ER04: River Earn right bank from Garry Place to Tay Place
- WR01: Water of Ruchill right bank adjacent to Aros Field East
- WR02: Water of Ruchill right bank from Aros Field East to Camp Road
- WR03: Water of Ruchill right bank from Camp Road to Field of Refuge
- WR04: Water of Ruchill right bank at Field of Refuge from Hillcrest dwellings to car park
- LL01: River Lednock left bank from St. Serf's Church meadow to A85
- LL02: River Lednock left bank at River Earn and River Lednock confluence
- LR01: River Lednock right bank from dismantled railway bridge abutment to A85
- LR02: River Lednock right bank from A85 to River Earn and River Lednock confluence
- DR01: Disused railway line south and east of Ross

The Operations to be carried out and maintained are as shown on the plans marked, annexed and executed as relative hereto, and are as follows:

119398/400/300 (Rev. 01)	119398/400/316 (Rev. 01)	119398/400/405 (Rev. 01)
119398/400/301 (Rev. 01)	119398/400/317 (Rev. 01)	119398/400/406 (Rev. 01)
119398/400/302 (Rev. 01)	119398/400/318 (Rev. 01)	119398/400/407 (Rev. 01)
119398/400/303 (Rev. 01)	119398/400/319 (Rev. 01)	119398/400/408 (Rev. 01)
119398/400/304 (Rev. 01)	119398/400/320 (Rev. 01)	119398/400/409 (Rev. 01)
119398/400/305 (Rev. 01)	119398/400/321 (Rev. 01)	119398/400/410 (Rev. 01)
119398/400/306 (Rev. 01)	119398/400/322 (Rev. 01)	119398/400/411 (Rev. 01)
119398/400/307 (Rev. 01)	119398/400/323 (Rev. 01)	119398/400/412 (Rev. 01)
119398/400/308 (Rev. 01)	119398/400/324 (Rev. 01)	119398/400/413 (Rev. 01)
119398/400/309 (Rev. 01)	119398/400/325 (Rev. 01)	119398/400/414 (Rev. 01)
119398/400/310 (Rev. 01)	119398/400/326 (Rev. 01)	119398/400/415 (Rev. 01)
119398/400/311 (Rev. 01)	119398/400/327 (Rev. 01)	119398/400/416 (Rev. 01)
119398/400/312 (Rev. 01)	119398/400/401 (Rev. 01)	119398/400/417 (Rev. 01)
119398/400/313 (Rev. 01)	119398/400/402 (Rev. 01)	119398/400/418 (Rev. 01)
119398/400/314 (Rev. 01)	119398/400/403 (Rev. 01)	119398/400/419 (Rev. 01)
119398/400/315 (Rev. 01)	119398/400/404 (Rev. 01)	

All areas, directions, distances, lengths, widths, depths and heights as stated in any below description of Operations or lands shall be construed as if the words "or thereby" were inserted after each such area, direction, distance, length, width, depth and height.

<sup>1</sup> River bank orientations "Left" and "Right", are determined by the observer when facing in the direction of flow; or downstream.

***EL01: River Earn left bank public space in front of Comrie Community Centre***  
(as generally shown on the plan marked 119398/400/303)

- EL01-01      Regrading of existing footpaths to improve access, provision of public benches and soft landscaping.

***EL02: River Earn left bank from Dalginross Bridge to Ancaster Lane***  
(as generally shown on the plans marked 119398/400/304 and 401)

- EL02-01      Demolish 60m of existing property walling and construct 140m of a reinforced concrete flood wall on river side and in place of demolished walling. New flood wall to incorporate 3m deep seepage cut off and a suitable finish.
- EL02-02      Construction of access stairs at the residential property Earnside, including associated walls, railings and lockable gate.
- EL02-03      Construction of access stairs at the residential property Plum Cottage, including associated walls, railings and lockable gate.
- EL02-04      Construction of access stairs at Commercial Lane including associated walls, railings and signage.
- EL02-05      Construction of access stairs at The Limes and East Riverside, including associated walls, railings and lockable gate.
- EL02-06      Construction of ancillary works in the open space known as the 'Boulevard' such as soft landscaping, signage, connecting path and provision of two new memorial benches.
- EL02-07      Construction of ancillary street works such as the provision of vehicle parking bays on Commercial Lane, tie in details, works to services and signage.
- EL02-08      Construction of surface water drainage system on dry side of flood defence, to include carrier pipe, filter trench, valve and chambers.

***EL03: River Earn left bank from Ancaster Lane to River Earn and River Lednock confluence***  
(as generally shown on the plans marked 119398/400/305 and 402)

- EL03-01      Construction of 138m of a reinforced concrete flood wall with suitable finish including 1.5m deep seepage cut off.
- EL03-02      Construction of access stairs at Mansefield, including cladding, associated walls, railings and lockable gate.
- EL03-03      Construction of reinforced grass maintenance standing area and turning head for use by authorised vehicles.
- EL03-04      Construction of ancillary works such as works to services and hard and soft landscaping.
- EL03-05      Construction of surface water drainage system on dry side of flood defence, to include carrier pipe, filter trench, valve, chambers and outfall on the left bank of the River Earn. The location of the outfall may vary  $\pm 10.0\text{m}$  in any direction.
- EL03-06      Construction of a lockable flood gate at Manse Lane. The flood gate will remain in a closed position and locked.

***EL04: River Earn left bank from River Lednock confluence along Comrie Holiday Park boundary***  
(as generally shown on the plans marked 119398/400/306, 307 and 403)

- EL04-01 Construction of 142m of a reinforced concrete flood wall with suitable finish including 0.5m deep seepage cut off.
- EL04-02 Construction of ancillary works such as works to services, temporary and permanent relocation of static caravans and hard and soft landscaping.
- EL04-03 Construction of access stairs at south west corner of Comrie Holiday Park including suitable concrete finish, associated walls, railings and signage.
- EL04-04 Construction of 80m of rock roll and seeded roll river bank including geotextile erosion protection and ancillary works such as soft landscaping.
- EL04-05 Construction of surface water drainage system on dry side of flood defence, to include carrier pipe, filter trench, valve, chambers and outfall on the left bank of the River Earn. The location of the outfall may vary  $\pm$  10.0m in any direction.

***EL05: River Earn left bank from Comrie Holiday Park boundary to field boundary***  
(as generally shown on the plans marked 119398/400/307, 308 and 404)

- EL05-01 Construction of 239m of an earthwork flood embankment, with geotextile erosion protection and 0.5m deep seepage cut off, including public access steps and pedestrian walkway along the crest of the flood embankment.
- EL05-02 Construction of ancillary works such as works to services, soft landscaping, protective fencing and gate.
- EL05-03 Construction of surface water drainage system on dry side of flood defence, to include carrier pipe, filter trench, chambers, valve and outfall complete with vehicle protection apron at the toe of the new flood embankment. The location of the outfall may vary  $\pm$  10.0m in any direction.
- EL05-04 Compensatory tree planting between flood embankment and the River Earn to mitigate tree loss over the flood protection scheme.

***ELGW: Gas works at the River Earn and River Lednock confluence***  
(as generally shown on the plans marked 119398/400/309, 402 and 407)

- ELGW-01 Carry out remediation works to facilitate safe access for the Operations. Remediations to include removal of made ground and historical gas works infrastructure and replacement with clean cover soils, and installation of geotextile membrane with cover added above.

***ER01: River Earn right at Field of Refuge from car park to Dalginross Bridge***  
(as generally shown on the plans marked 119398/400/318 and 413)

- ER01-01 Construction of 122m of a reinforced concrete flood wall with suitable finish and 1.5m seepage cut off, including ancillary works such as soft landscaping. New flood wall to incorporate piped weep holes, where required, at ground level on the dry side, each complete with a non-return valve.
- ER01-02 Construction of an access ramp complete with appropriate fencing, signage and lockable vehicle gate, and with the provision of a bridle gate.

ER01-03 Construction of ancillary works such as works to services and hard and soft landscaping.

***ER02: River Earn right bank from Dalginross Bridge to Legion Park***  
(as generally shown on the plans marked 119398/400/319, 320 and 414)

ER02-01 Construction of 179m of a reinforced concrete flood wall with suitable finish and 1.5m deep seepage cut off, including ancillary works such as soft landscaping.

ER02-02 Construction of ancillary works such as works to services and hard and soft landscaping.

ER02-03 Construction of 3No. traffic calming blisters including associated signage, road markings, pedestrian deterrent pavement and soft landscaping.

ER02-04 Construction of 119m of stacked natural stone block wall, including ancillary works such as ground anchors, geotextile matting and soft landscaping.

***ER03: River Earn right bank from Legion Park to Garry Place***  
(as generally shown on the plans marked 119398/400/321, 322, 323, 415, 416 and 417)

ER03-01 Construction of 248m of a reinforced concrete flood wall with suitable finish and 1.5m deep seepage cut off, including ancillary works such as soft landscaping.

ER03-02 Construction of ancillary works such as works to services and hard and soft landscaping including an unbound path and the formation of a maintenance access strip with new screen fencing for residents.

ER03-03 Construction of access ramp opposite Legion Park. Operations to include associated walls, railings, screen fencing and signage.

ER03-04 Construction of access stairs at lane between Comrie Fire Station and No. 9 Lochay Drive, including associated walls, railings, screen fencing and signage.

ER03-05 Construction of access stairs at lane between No. 12 and No. 13 Lochay Drive, including associated walls, railings, screen fencing and signage.

ER03-06 Installation of a temporary gauge that will be operational in parallel with the existing SEPA gauge for a minimum of 6 months. Thereafter remove and reinstate existing gauge in a location agreed with SEPA.

ER03-07 Construction of access stairs to the northeast of No. 4 Lochay Drive, including associated walls, railings, screen fencing and signage.

ER03-08 Construction of new vehicle entrance and multi-use car park at Legion Park, including events space with benches and soft landscaping.

ER03-09 Construction of surface water drainage system on dry side of flood defence, to include carrier pipe, filter trench, valve and chambers.

***ER04: River Earn right bank from Garry Place to Tay Place***  
(as generally shown on the plans marked 119398/400/323, 324, 325, 326, 418 and 419)

ER04-01 Construction of 325m of an earthwork flood embankment, with geotextile erosion protection and 0.5m deep seepage cut off.



- ER04-02 Construction of ancillary works such as works to services, soft landscaping, and protective stock fencing including access gate to the maintenance strip between the residential properties and flood embankment.
- ER04-03 Construction of surface water drainage system on dry side of flood defence, to include carrier pipe, filter trench, valve, chambers and outfall on the right bank of the River Earn. The location of the outfall may vary  $\pm 10.0\text{m}$  in any direction.
- ER04-04 Construction of new duct below the flood embankment to accommodate future high voltage cable replacement. Location of new duct given by marker posts at each end.
- ER04-05 Construction of new duct below the flood embankment to accommodate future waste water pipe replacement. Location of new duct given by marker posts at each end.

***WR01: Water of Ruchill right bank adjacent to Aros Field East***  
(as generally shown on the plans marked 119398/400/312 and 408)

- WR01-01 Construction of 37m of a reinforced concrete flood wall with suitable finish, including 1.5m deep seepage cut off.

***WR02: Water of Ruchill right bank from Aros Field East to Camp Road***  
(as generally shown on the plans marked 119398/400/312, 313, 314, 408, 409 and 410)

- WR02-01 Demolish 175m of existing earthwork flood embankment and construct 245m of new earthwork flood embankment, including ancillary works such as soft landscaping, fencing and drainage ditch, with geotextile erosion protection and 1.5m deep seepage cut off.
- WR02-02 Construction of 82m of a driven sheet pile flood wall incorporating an above ground reinforced concrete wall with suitable finish and 1.5m deep seepage cut off. Operations to include ancillary works such as soft landscaping.
- WR02-03 Construction of 58m of culvert to maintain a continuous flow from the drainage ditch at the toe of the earth work flood embankment to the south of Camp Road with the drainage ditch at the foot of the flood wall to the North of Camp Road.
- WR02-04 Construction of access ramp for Tomnagaske, including ancillary works such as soft landscaping, with geotextile erosion protection.
- WR02-05 Construction of access ramp to maintain pedestrian access and to enable private vehicle access to agricultural land northeast of Camp Road.
- WR02-06 Construction of ancillary works such as works to services, hard and soft landscaping, reinstatement of Tomnagaske entrance walls, fencing, signage and lockable gate to maintenance strip. Ancillary works to also include installation of lockable bollards, or similar, to prevent unauthorised vehicle access and parking.
- WR02-07 Construction of surface water drainage ditch on dry side of flood defence including surface water carrier pipe, chamber, headwalls and outfall complete with non-return valve.
- WR02-08 Construction of surface water drainage system at the entrance to Tomnagaske complete with non-return valve.

***WR03: Water of Ruchill right bank from Camp Road to Field of Refuge***

(as generally shown on the plans marked 119398/400/314, 315, 316, 410 and 411)

- WR03-01 Construction of 271m of a driven sheet pile flood wall with suitable finish and 1.5m deep seepage cut off. Ancillary works to include soft landscaping and drainage ditch.
- WR03-02 Construction of access stairs at Field of Refuge for Council to access the maintenance strip on the dry side of the new flood wall including lockable gate and associated railings.
- WR03-03 Construction of 270m of root wad reinforced geotextile revetment including ancillary works such as ground anchors, bracing boulders and soft landscaping to finished ground level.

***WR04: Water of Ruchill right bank at Field of Refuge from Hillcrest dwellings to car park***

(as generally shown on the plans marked 119398/400/317 and 412)

- WR04-01 Construction of 115m of a driven sheet pile flood wall with suitable finish and 1.5m deep seepage cut off, including ancillary works such as works to services and soft landscaping. New flood wall to incorporate piped weep holes at ground level on the dry side, each complete with a non-return valve.
- WR04-02 Construction of pedestrian access stairs at Field of Refuge, including localised demolition of existing wall, construction of walls associated with the access stairs, railings and signage, culvert at drainage ditch, and re-aligning of the existing footpath.
- WR04-03 Construction of 57m of re-aligned drainage ditch.

***LL01: River Lednock left bank from St. Serf's Church meadow to A85***

(as generally shown on the plans marked 119398/400/310, 405 and 406)

- LL01-01 Construction of 74m of a reinforced concrete flood wall with suitable finish and 1.5m deep seepage cut off, to provide protection to St. Serf's Church.
- LL01-02 Construction of access stairs at the Lednock bridge for maintenance access complete with lockable security gate and associated railings.
- LL01-03 Construction of ancillary works such as works to services and soft landscaping.
- LL01-04 Construction of surface water drainage system on dry side of flood defence, to include carrier pipe, filter trench, valve, chambers and outfall on the left bank of the River Lednock. The location of the outfall may vary  $\pm 10.0\text{m}$  in any direction.

***LL02: River Lednock left bank at River Earn and River Lednock confluence***

(as generally shown on the plans marked 119398/400/311 and 407)

- LL02-01 Construction of 32m of a reinforced concrete flood wall with cladding and 1.5m deep seepage cut off, to provide protection to Comrie Holiday Park.
- LL02-02 Construction of ancillary works such as works to services, temporary and permanent relocation of static homes as necessary and hard and soft landscaping.

***LR01: River Lednock right bank from dismantled railway bridge abutment to A85***  
(as generally shown on the plans marked 119398/400/310, 405 and 406)

- LR01-01 Cut-down existing mass concrete retaining wall on the riverside of St Margaret's Church and construct 117m of a reinforced concrete flood wall incorporating 3.0m deep seepage cut off. New flood wall to incorporate piped weep holes at ground level on the dry side, each complete with a non-return valve.
- LR01-02 Construction of ancillary works such as works to services and hard and soft landscaping.
- LR01-03 Construction of access ramp at St Margaret's church driveway, including associated walls, railings and signage.
- LR01-04 Construction of boundary wall to the west of St Margaret's church driveway.
- LR01-05 Construction of surface water drainage system on dry side of flood defence, to include carrier pipe, filter trench, valve, chambers and outfall on the right bank of the River Lednock. The location of the outfall may vary  $\pm 10.0\text{m}$  in any direction.

***LR02: River Lednock right bank from A85 to River Earn and River Lednock confluence***  
(as generally shown on the plans marked 119398/400/311, 406 and 407)

- LR02-01 Construction of 121m of a reinforced concrete flood wall with suitable finish, including 1.0m deep seepage cut off.
- LR02-02 Construction of ancillary works such as works to services and hard and soft landscaping, including a new terrace formed by the flood wall on the south and east elevations of Glenbuckie.
- LR02-03 Construction of access ramp and stairs including associated walls and railings.
- LR02-04 Construction of surface water drainage system on dry side of flood defence, to include carrier pipe, filter trench, valve, chambers and outfall on the right bank of the River Lednock. The location of the outfall may vary  $\pm 10.0\text{m}$  in any direction.
- LR02-05 Construction of ancillary works such as works to services on Drummond Street

***DR01: Disused railway line to the south and east of Ross***  
(as generally shown on the plan marked 119398/400/327)

- DR01-01 Compensatory tree planting on the line of the dismantled railway to the south and east of Ross to mitigate tree loss over the flood protection scheme.

The Council may, within the limits of land affected by the operations, carry out and re-instate such other subsidiary works as may be necessary or expedient for the purposes of, or in connection with or in consequence of, the construction or maintenance of the Operations described above.

This may include;

- works to relocate/dismantle, remove and re-instate - fencing, outbuildings, sheds, greenhouses, garden furniture and garden features.
- works to alter the position of existing public utility apparatus including - mains, sewers, drains, pipes, conduits, cables, electrical substations and electrical lines as described in Section 5, and such subsidiary works shall form part of the Operations.
- works to fell trees and remove planting.
- works to barrier off sections of ground to provide safe working areas for workers, plant and machinery.
- works to provide temporary accesses for workers, plant and machinery.
- works to provide temporary flood protection to homes and property.
- works to provide dry working areas for workers, plant and machinery – including the provision of pumps, barriers etc.
- works to set-up and maintain stores, offices and other buildings as required to facilitate construction.

Please note that this is not an exhaustive list and the Council may look to undertake additional works to those denoted as the design and the construction of the Scheme develops.

## 5 Diversion of Services

The following ancillary operations shall be undertaken:

Plan Reference Drawing No.	Operation Reference	Ancillary Operations Required
119398/400/303	EL01-01	The underground street lighting cables are to be protected or diverted during the Operations.
	EL01-01	The underground telecommunication cables are to be protected or diverted during the Operations.
	EL01-01	The street lighting line fixed to the west elevation of Dalginross Bridge is to be protected during the Operations.
119398/400/304	EL02-07	The street lighting line fixed to the east elevation of Dalginross Bridge is to be protected during the Operations.
	EL02-07	The telecommunication lines are to be protected or diverted during the Operations.
	EL02-07	The waste water pipe is to be diverted during the Operations.
	EL02-07	The gas main is to be protected or diverted during the Operations.
	EL02-07	The water main is to be protected or diverted during the Operations.
	EL02-07	Overhead power lines are to be protected or diverted during the Operations.
	EL02-07	The underground telecommunication lines are to be protected or diverted during the Operations.
119398/400/305	EL03-04	Overhead power lines are to be diverted during the Operations.
	EL03-04	The waste water pipe is to be protected or diverted during the Operations.
	EL02-07	The underground telecommunication lines are to be protected or diverted during the Operations.
119398/400/306	EL04-02	The overhead power lines are to be diverted during the Operations.
	EL04-02	The gas main is to be protected or diverted during the Operations.
	EL04-02	The underground power ducts are to be protected or diverted during the Operations.
119398/400/307	EL05-01	The underground power ducts are to be diverted during the Operations.
	EL05-01	The overhead power lines are to be diverted during the Operations.
119398/400/309	EL03-04	The waste water pipe is to be protected or diverted during the Operations.
	EL03-04	The overhead power lines are to be diverted during the Operations.
	LL02-02	The gas main is to be diverted during the Operations.
119398/400/310	LR01-02	New water connection to St. Margaret's Church to be installed during the Operations.
	LR01-02	The underground power ducts are to be protected or diverted during the Operations.
	LL01-03	The overhead power lines are to be protected or diverted during the Operations.

	LL01-03	The gas main to be protected or diverted during the Operations.
	LL01-03	The surface water pipe is to be protected or diverted during the Operations.
	LL01-03	The septic tank and all associated pipework are to be protected during the Operations.
119398/400/311	LR02-02	The water main is to be protected or diverted during the Operations.
	LR02-02	The underground telecommunications ducts are to be protected or diverted during the Operations.
	LR02-02	The underground power ducts are to be protected or diverted during the Operations.
	EL03-04	The overhead power lines are to be diverted during the Operations.
	LL02-02	The gas main is to be diverted during the Operations.
119398/400/314	WR02-06	The underground power duct is to be realigned with new road profile during the Operations.
	WR02-06	The water main is to be realigned with new road profile during the Operations.
	WR02-06	The waste water pipe is to be diverted during the Operations.
	WR02-06	The underground telecommunication duct is to be realigned with new ramp profile during the Operations.
	WR02-06	The gas main is to be realigned with new ramp profile during the Operations.
	WR02-06	The overhead power lines are to be diverted during the Operations.
	WR02-06	The overhead telecommunication lines are to be protected or diverted during the Operations.
119398/400/315	WR02-06	The overhead power lines are to be diverted during the Operations.
119398/400/317	WR04-01	The underground street lighting ducts are to be protected or diverted during the Operations.
119398/400/318	ER01-03	The underground street lighting ducts are to be diverted during the Operations.
	ER01-03	The water main is to be diverted during the Operations.
	ER02-02	The underground power ducts are to be protected or diverted during the Operations.
	ER01-03	The surface water outfall pipe is to be protected or diverted during the Operations.
	ER01-03	The pumping station is to be protected during the Operations.
119398/400/319	ER02-02	The underground power ducts are to be diverted during the Operations.
	ER02-02	The gas main to be diverted during the Operations.
	ER02-02	The underground street lighting ducts are to be diverted during the Operations.
119398/400/320	ER02-02	The underground gas main to be diverted during the Operations.
	ER02-02	The underground street lighting ducts are to be diverted during the Operations.
	ER02-02	The overhead telecommunication lines are to be protected or diverted during the Operations.
	ER02-02	The overhead power lines are to be diverted during the Operations.

119398/400/321	ER03-02	The overhead and underground street lighting ducts are to be diverted during the Operations.
	ER03-02	The overhead telecommunications lines are to be protected or diverted during the Operations.
	ER03-02	The overhead power lines are to be diverted during the Operations.
	ER03-02	The waste water pipe is to be protected or diverted during the Operations.
119398/400/322	ER03-02	The underground power ducts are to be diverted during the Operations.
	ER03-02	The overhead power lines are to be diverted during the Operations.
	ER03-02	The surface water pipe is to be protected or diverted during the Operations.
119398/400/323	ER03-02	The underground telecommunication ducts are to be diverted during the Operations.
	ER03-02	The surface water pipe is to be diverted during the Operations.
119398/400/325	ER04-02	The overhead power line is to be diverted during the Operations.
	ER04-02	The underground power lines are to be diverted during the Operations.
119398/400/326	ER04-04	The waste water pipe is to be protected or diverted during the Operations.

Additional works to services to those identified may be required as the design and the construction of the Scheme develops.

Any operations to existing water mains and foul sewers will be carried out in association with Scottish Water and other organisations as appropriate.

Any operations to existing gas mains will be carried out in association with SGN and other organisations as appropriate.

Any operations to existing power cables will be carried out in association with SSE and other organisations as appropriate.

Any operations to existing telecoms will be carried out in association with BT Openreach and other organisations as appropriate.

## 6 Powers

The Scheme is made in accordance with Section 60 and Schedule 2 of the Flood Risk Management (Scotland) Act 2009 and the powers afforded thereunder.

## 7 Benefits and Costs of the Operations

The principal benefits of the Scheme are as follows:

- Approximately 189 residential and commercial properties across Comrie and Dalginross will be protected from the effects of flooding up to and including the 1 in 200 year flood

event (before the impacts of future climate change are taken into account) as a minimum standard from the River Earn, River Lednock and Water of Ruchill.

To the nearest thousand the estimated cost of the operations is twenty-five million six hundred and eighty-six thousand pounds (£25,686,000).



Made by the Perth and Kinross Council on the 28<sup>th</sup> day of February 2020.



Proper Officer of the Council



Dated