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Notes

- These plans are in accordance with the requirements of Section 60 and Schedule 2 of the Flood Risk Management (Scotland) Act 2009.
- Information received from statutory undertakers has been used to identify approximate locations of services, exact locations of these services will be determined during detailed design.
- Drawing to be read in conjunction with :
SC-JBA-00-00-DR-C-0100
SC-JBA-03-07-DR-C-0101
SC-JBA-03-07-DR-C-0102
SC-JBA-03-07-DR-C-0103
SC-JBA-03-07-DR-C-0104
SC-JBA-00-00-RP-Z-0006_FPS Document
- The location, horizontal and vertical extents of the operations may vary by those limits (where applied) as noted in the Description of the Flood Protection Scheme.
- Diversion of any statutory undertaker apparatus will be carried out by or on behalf of the statutory undertaker under its own statutory powers.
- Where existing fencing is removed to facilitate works it will be replaced with equivalent fencing.
- Steps to have timber risers with gravel filled goings and be provided with timber stringers and timber handrails.
- Warning signage and depth boards to be placed around park.
- Surface of access track to screen to be permeable grass crete paving.
- Flood embankment side slopes vary from 1:3 max to approx 1:6.
- New gravel footpath with Hoggin finish constructed in line with Highland Council Road and Transport Guidelines section 7.
- Flood Embankment to be sown with wildflower mix (to be specified). The Flood Embankment adjacent to the open channel watercourse to be seeded with wildflower to suit semi-dry/wet conditions (to be specified).
- Proposed areas of new tree planting. May vary in size subject to the constraints of the final design.
- Proposed wetland areas to be sown with a wetland wildflower mix to suit permanently wet areas.

This is the plan marked SC-JBA-03-07-DR-C-0100 referred to in the Smithton & Culloden Flood Protection Scheme 2016 made by The Highland Council.

Rev.:	Date	Drawn	JR	Designed	SC	Checked	SC	Approved	RD
P4.0 Comments For Consultation									
P3.0 Comments For Consultation									
P2.0 Comments Proposed planting areas and existing trees to be removed added Wetland added, additional annotation legend updated.									
P1.3 Comments Title and revision number updated.									
P1.2 Comments Note 5 added, Hatching, Boxes, annotation and Legend updated.									
P1.1 Comments Hatching and legend updated. Annotation added, embankment toe protection added, separation fence added.									

OPERATION	DESCRIPTION
CP-01	THE EXISTING CULLODEN BURN WEST CHANNEL WILL BE DIVERTED INTO THE FLOOD STORAGE AREA USING A CONCRETE FLOOD WALL.
CP-02	NEW BRIDGE OF 14m SPAN, OR THEREBY, CROSSING THE DIVERTED WATERCOURSE TO ALLOW ACCESS FOR MAINTENANCE VEHICLES AND PEDESTRIANS.
CP-03	WORKS WILL BE UNDERTAKEN TO CONSTRUCT AN ONLINE FLOOD STORAGE BASIN TO CONSIST OF EARTH EMBANKMENTS KEVED INTO EXISTING GROUND WITH A SUITABLE CUT-OFF AND A VEHICULAR ACCESS TRACK ON THE CREST. THE CHANNEL WILL BE REALIGNED.
CP-04	NEW OUTFLOW STRUCTURE TO INCLUDE FLOW CONTROL HYDROBRAKES, AN OUTFALL CULVERT BARREL, AN OVERFLOW ARRANGEMENT AND A TRASH SCREEN ON THE UPSTREAM SIDE AND A SECURITY SCREEN ON THE DOWNSTREAM HEADWALL.
CP-05	A LENGTH OF 25m OR THEREBY OF THE WALL FROM THE DOWNSTREAM END WILL BE USED AS A SPILLWAY ALONG WITH 56m OR THEREBY LENGTH OF EMBANKMENT. EXISTING ABANDONED CHANNEL TO BE REINSTATED AS A SHALLOW SWALE WITH EROSION PROTECTION TO THE EMBANKMENT TOE WHERE REQUIRED.
CP-06	CONSTRUCTION OF A NEW OUTFALL CHANNEL, 28m IN LENGTH OR THEREBY, WITH TIE-IN TO THE EXISTING CHANNEL DOWNSTREAM FROM THE FLOOD STORAGE AREA.
CP-07	NEW 80m LONG OR THEREBY FLOOD WALL TO PREVENT HIGH FLOWS FROM LEAVING THE CHANNEL. PEDESTRIAN BRIDGE DECK TO BE RAISED AND/OR LENGTHENED WITH FOOTPATH ON BOTH SIDES TO BE REALIGNED TO SUIT.

LEGEND

- OPEN CHANNEL WATERCOURSE
- NEW BRIDGE
- EROSION PROTECTION
- CONCRETE STRUCTURE
- GRAVEL FOOTPATH
- REPROFILED GROUND
- FLOOD EMBANKMENT SEE NOTES
- FLOOD STORAGE BASIN
- EMBANKMENT TOE PROTECTION AND SWALE PROTECTION
- GRAVEL VEHICLE ACCESS TRACK TO FPS STRUCTURES FOR MAINTENANCE
- GRASSCRETE SURFACE
- PROPOSED AREAS OF NEW TREE PLANTING SEE NOTES
- RETAINING WALL
- LIMITS OF LAND AFFECTED BY OPERATIONS AND OF LAND UPON WHICH ENTRY IS REQUIRED FOR THE PURPOSES OF CARRYING OUT THE OPERATIONS
- PROPOSED WETLAND AREA
- EXISTING TREES (TO BE RETAINED)
- TREES TO BE REMOVED (ALL OTHER TREES TO BE RETAINED)
- 5m HINGED LIGHTING COLUMN
- SECTION MARKER

EXISTING SERVICES

- SURFACE WATER SEWER
- COMBINED SEWER
- FOUL SEWER
- WATER MAIN
- BT OVERHEAD
- BT UNDERGROUND
- ELECTRICITY OVERHEAD
- ELECTRICITY UNDERGROUND
- GAS

COMPENSATORY PLANTING KEY

- Sal WHITE WILLOW
- Ai GREY ALDER
- Cm HAWTHORNS
- Sa ROWAN
- Sar WHITEBEAM
- Bp BIRCH
- Pp BIRD CHERRY
- Sxi S. WHITEBEAM

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Project **Smithton & Culloden Flood Protection Scheme**

Title **Flood Protection Scheme Drawings
Zone 3 Culloden Park Plan
Sheet 1 of 2
for**

Client **The Highland Council
Comhairle na Gàidhealtachd**

Scale **1:1000 @ A1**

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Approved:	R. Dobson	25/08/15

Project Number: 201387134

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