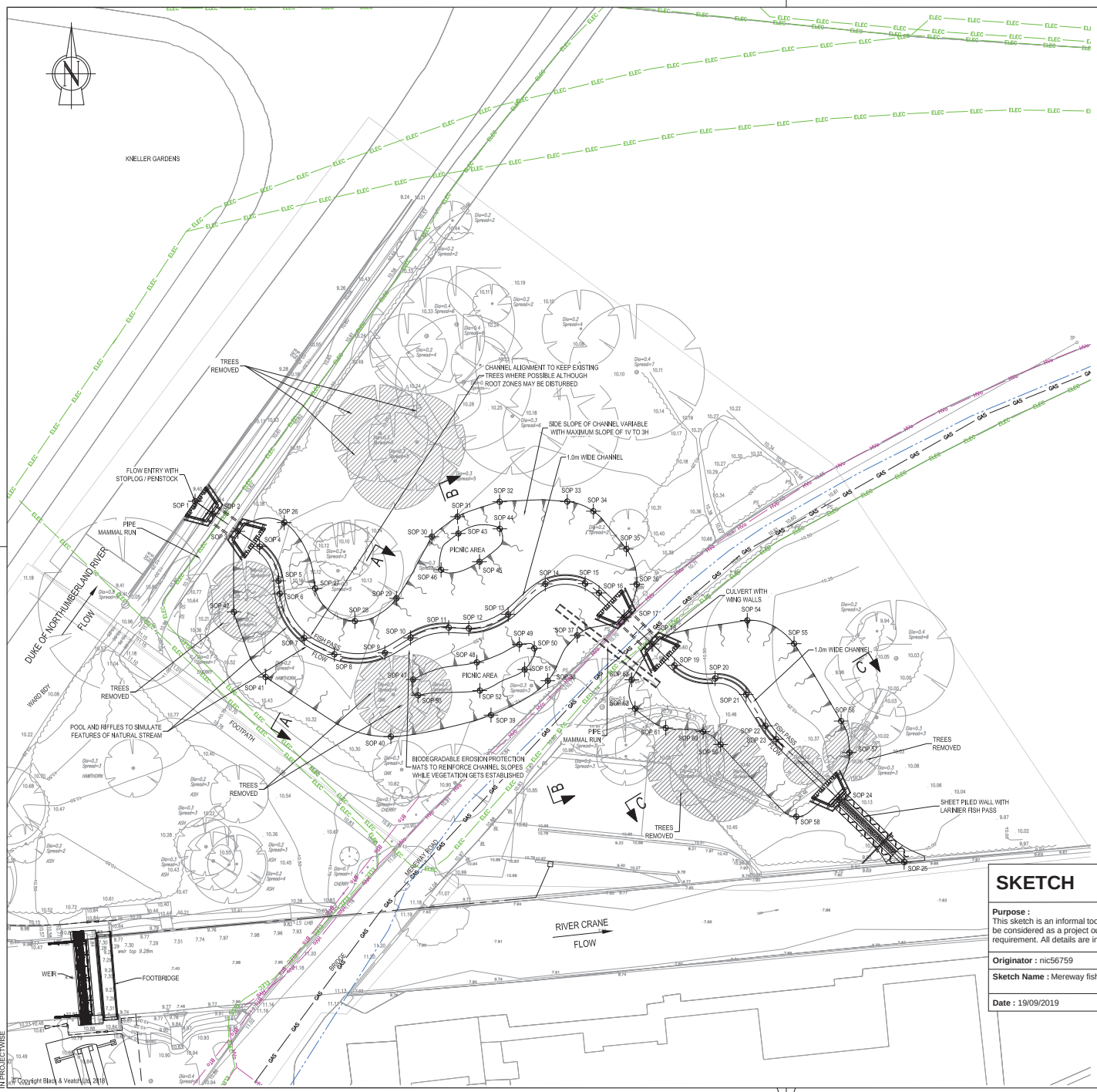

LEGEND.

- HVo — ELECTRICAL OVERHEAD CABLE
- BTo — BT OVERHEAD POLE AND CABLE
- GAS — GAS
- TEL — TELECOM
- ELEC — UK POWER NETWORK
- WATER

SETTING OUT POINTS		
SOP NO.	NORTHING	EASTING
SOP 1	173342.245	514979.377
SOP 9	173326.591	514998.982
SOP 2	173340.982	514981.178
SOP 3	173339.145	514983.798
SOP 4	173337.572	514986.035
SOP 5	173334.039	514987.994
SOP 6	173332.694	514988.119
SOP 7	173328.131	514990.641
SOP 8	173326.444	514993.762
SOP 10	173328.147	515001.626
SOP 11	173329.198	515005.575
SOP 12	173329.117	515007.649
SOP 13	173330.572	515011.711
SOP 14	173333.721	515015.550
SOP 15	173333.747	515019.670
SOP 16	173332.783	515021.104
SOP 17	173330.285	515023.702
SOP 18	173327.513	515026.585
SOP 19	173325.295	515028.892
SOP 20	173323.947	515033.088
SOP 21	173322.293	515036.299
SOP 22	173319.059	515038.295
SOP 23	173317.690	515039.401
SOP 24	173311.448	515045.893
SOP 25	173304.983	515052.620
SOP 26	173340.046	514988.583
SOP 27	173333.247	514991.766
SOP 28	173329.880	514995.884
SOP 29	173332.227	515000.178
SOP 30	173338.594	515003.834
SOP 31	173340.660	515006.488
SOP 32	173342.195	515010.837

SETTING OUT POINTS		
SOP NO.	NORTHING	EASTING
SOP 33	173342.219	515017.824
SOP 34	173341.224	515020.516
SOP 35	173337.318	515023.925
SOP 36	173333.670	515025.003
SOP 37	173328.398	515018.849
SOP 38	173323.715	515015.815
SOP 39	173320.170	515009.941
SOP 40	173317.945	514999.598
SOP 41	173324.098	514986.662
SOP 42	173330.825	514983.393
SOP 43	173338.924	515006.576
SOP 44	173339.406	515010.848
SOP 45	173336.000	515008.757
SOP 46	173335.169	515004.785
SOP 47	173323.844	515001.897
SOP 48	173325.610	515008.481
SOP 49	173327.464	515012.873
SOP 50	173327.058	515014.411
SOP 51	173324.874	515013.423
SOP 52	173322.701	515008.793
SOP 53	173322.213	515002.403
SOP 54	173329.948	515036.420
SOP 55	173327.545	515041.251
SOP 56	173319.548	515046.110
SOP 57	173316.298	515046.963
SOP 58	173309.678	515041.479
SOP 59	173317.130	515033.654
SOP 60	173318.459	515031.854
SOP 61	173318.838	515027.997
SOP 62	173320.839	515024.823
SOP 63	173323.821	515024.481

Note: The limits, including the height and depths of the Works, shown in this drawing are not to be taken as limiting the obligations of the contractor under Contract.

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NOTES

1. ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.
2. ALL LEVELS IN METRES ABOVE ORDNANCE DATUM (NEWLYN).
3. ONLY PRINCIPAL UTILITIES AND FEATURES HAVE BEEN INDICATED WITH APPROXIMATE LOCATIONS. ACTUAL POSITIONS MUST BE ESTABLISHED AND VERIFIED ON SITE.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS OR RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, THE FOLLOWING SIGNIFICANT RESIDUAL RISKS SHOULD BE NOTED. FURTHER DETAILS ARE INCLUDED IN THE CDM DESIGN RISK MANAGEMENT REGISTER

CONSTRUCTION :

S.1 RESTRICTED AND NARROW ACCESS TO SITE ALONG RESIDENTIAL STREETS.
S.5 SUB ARTESIAN GROUND WATER, RISK OF GROUND HEAVE AT BOTTOM OF EXCAVATIONS AND ABRUPT ENTRANCE OF GROUNDWATER.
S.6 INTERACTION WITH PUBLIC AND LOCAL RESIDENTS , NEARBY PROW, OTHER PUBLIC FOOTPATH AND ADJACENT PARK AREA, ROAD BRIDGE DOWNSTREAM SERVES RESIDENTIAL HOUSES.
S.7 LACK OF INFORMATION ON RIVER CHANNEL WALL THICKNESS AND REINFORCEMENT FOR CONSIDERATION OF CRANE LOADING. LACK OF INFORMATION ON EXISTING RIVER STUCTURES, TEMPORARY WORKS DESIGN TO FULLY CONSIDER RISKS.
S.9 OVERGROUND AND UNDERGROUND SERVICES ALONG FOOTPATH AND ROAD CROSSING FISH PASS.
S.11 CONFINED SPACE CREATED WITHIN CULVERTS AND LARINIER FISH PASS.
S.13 NOISE AND VIBRATION FROM PILING ACTIVITIES IMPACTING NEARBY PROPERTIES.
S.16 RISK OF CAUSING INCREASED FLOODING DUE TO IMPOUNDMENT OF DUKE OF NORTHUMBERLAND RIVER AND RIVER CRANE.

MAINTENANCE, CLEANING AND OPERATION :

S.1 RESTRICTED AND NARROW ACCESS TO SITE ALONG RESIDENTIAL STREETS.
S.6 INTERACTION WITH PUBLIC AND LOCAL RESIDENTS , NEARBY PROW, OTHER PUBLIC FOOTPATH AND ADJACENT PARK AREA, ROAD BRIDGE DOWNSTREAM SERVES RESIDENTIAL HOUSES.
S.9 OVERGROUND AND UNDERGROUND SERVICES ALONG FOOTPATH AND ROAD CROSSING FISH PASS.
S.11 CONFINED SPACE CREATED WITHIN CULVERTS AND LARINIER FISH PASS.

DECOMMISSIONING OR DEMOLITION :

S.1 RESTRICTED AND NARROW ACCESS TO SITE ALONG RESIDENTIAL STREETS.
S.5 SUB ARTESIAN GROUND WATER, RISK OF GROUND HEAVE AT BOTTOM OF EXCAVATIONS AND ABRUPT ENTRANCE OF GROUNDWATER.
S.6 INTERACTION WITH PUBLIC AND LOCAL RESIDENTS , NEARBY PROW, OTHER PUBLIC FOOTPATH AND ADJACENT PARK AREA, ROAD BRIDGE DOWNSTREAM SERVES RESIDENTIAL HOUSES.
S.7 LACK OF INFORMATION ON RIVER CHANNEL WALL THICKNESS AND REINFORCEMENT FOR CONSIDERATION OF CRANE LOADING. LACK OF INFORMATION ON EXISTING RIVER STUCTURES, TEMPORARY WORKS DESIGN TO FULLY CONSIDER RISKS.
S.9 OVERGROUND AND UNDERGROUND SERVICES ALONG FOOTPATH AND ROAD CROSSING FISH PASS.
S.11 CONFINED SPACE CREATED WITHIN CULVERTS AND LARINIER FISH PASS.
S.13 NOISE AND VIBRATION FROM PILING ACTIVITIES IMPACTING NEARBY PROPERTIES.
S.16 RISK OF CAUSING INCREASED FLOODING DUE TO IMPOUNDMENT OF DUKE OF NORTHUMBERLAND RIVER AND RIVER CRANE.

Rev	Drawn	Chkd	Rvwd	Apprvd	Date	Description
P01	TJM	TB	TN	TB	20/06/19	INITIAL DRAFT FOR DISCUSSION
P02	JJ	TN	TB	TB	28/08/19	FOR CONSULTATION
P03.01	JJ	--	--	--	--	0 0 0

Designed by: T.N. Date: 04/02/19

Status: S0 Initial Status or WIP

Client: WEM Environment Agency Framework

Client Drawing No.: EN/MSE900049-GBV-SZ-320-DR-C-B1401_3-S8-P01-B1401-EA4-LOD4

gbv A GALLIFORD TRY BLACK & VEATCH JOINT VENTURE

Registered office: Cowley Business Park, Cowley, Uxbridge, Middlesex, UB8 2AL, UK Registered in England and Wales: Company no. 08884398

Project: HNL MEICA APPRAISAL PACKAGE

Drawing title: MEREWAY SLUICE GENERAL ARRANGEMENT FISH PASS INCLUDING FOOTBRIDGE

Drawing scale: 1:200 Sheet size: A1

Drawing no.: 122749-BVL-Z0-320-DR-C-00012 Revision: P03.01

SKETCH

BLACK & VEATCH

Purpose :
This sketch is an informal tool for communicating and collaborating on projects. It shall not be considered as a project output, part of a project output or as satisfying a contractual requirement. All details are indicative and subject to further design and collaboration.

Originator : nic56759

Sketch Name : Mereway fish pass work in process drawings

Date : 19/09/2019

5m 0m 5m 10m
Scale 1:200

IN PROJECTWISE

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