OS NORTH

DIRECTION OF WATERCOURSE FLOW

EXISTING FOOTBRIDGE

EXCAVATOR AND DUMPER ACCESS ROUTE ALONG EXISTING PATH

END OF UNMADE PATH DIVERSION OVER PIPE ROUTE

AREA OF STEEP BANKING AND DENSE TREES TO REMAIN UNDISTURBED EXCEPT FOR NEW PIPE TRENCHING THROUGH

EXISTING NARROW UNMADE PATH USED BY PARK VISITORS

PENSTOCK PIPE EMERGE FROM BELOW GROUND, PASSES OVER ROUTE OF EXISTING PATH AND INTO THE POWER HOUSE PIPEWORK CONNECTION POINT.

DIVERTED UNMADE PATH TO MOVE INTO BANK AREA, TO TAKE IT OVER THE PENSTOCK PIPE.

-EXISTING PATH LEVEL = 174.940
-PROPOSED PIPE UNDERSIDE = 175.550
-PROPOSED PIPE CROWN = 176.050
-MINIMUM DIVERTED PATH LEVEL=176.25

DIVERTERE PATH SHOWN DASHED IN BLACK

AREA TO BE GRADED FROM 175.23 (AT BRIDGE) TO PROPOSED DOOR THRESHOLD LEVEL OF 175.00 AND LAID IN A GRAVEL SURFACE FOR SAFE ACCESS

GABION BASKETS TO FORM STABLE EDGE TO ACCESS ZONE, TO ACCOUNT FOR 400mm DROP

400mm UNDERBUILD BELOW DPC ALONG THIS ELEVATION, TO ACCOUNT FOR LOWER EXTERNAL GROUND LEVEL

TAIL-RACE OUTLET TO WATERCOURSE. BASE LEVEL = 174.26 (790mm BELOW FLOOR LEVEL). RATED TAIL WATER LEVEL = 174.45.

WATERCOURSE CHANNEL MEETS LOWER LAKE BODY

POWER HOUSE FLOOR LEVEL 175.05m AOD

OUTLINE OF POWER HOUSE STRUCTURE

INDICATION OF EXISTING WATERCOURSE AND LAKE EDGE BANK

TREE TO BE REMOVED

INDICATION OF LOWER LAKE EDGE

ANCHOR BLOCK FOR INCOMING PENSTOCK PIPE

LOWER LAKE BODY

START OF UNMADE PATH DIVERSION OVER PIPE ROUTE.

worn path

gravel track

abutment

bridge

watercourse

alluvium / vegetation

pond

sign

DO NOT SCALE

KEY

- PENSTOCK PIPE
- LV CABLE
- INDICATIVE WATER FLOW
- WATERCOURSE CHANNEL
- SHALLOW SLOPING GROUND TOWARDS WATERCOURSE
- FOOTBRIDGE
- FOOTPATH
- EARTH BANK WITH TREES
- LOWER LAKE BODY
- GABION BASKETS
- POWER HOUSE FOOTPATH
- EXISTING BARE GROUND
- FOOTPATH DIVERSION ROUTE

REVISIONS

Rev.	Revision Notes	Date	Drawn By	Checked | Approved
P01	First Issue	27/09/24	FA	RB | RB

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CLIENT
RHONDDA CYNON TAF COUNTY BOROUGH COUNCIL

PROJECT
DARE VALLEY COUNTRY PARK
MICRO HYDRO DEVELOPMENT

TITLE
POWER HOUSE GENERAL ARRANGEMENT PLAN

HYDROCK PROJECT NO.	SCALE @ A1
C-34564	1:50

STATUS DESCRIPTION	STATUS
SUITABLE FOR INFORMATION	S2

DRAWING NO.	REVISION
34564-HYD-XX-XX-DR-C-1020	P01

Filename: Y:\34000-34999\34564 - Dare Valley Hydro Technical Advice\01_WIP\DR_Drawing\C\34564-HYD-XX-XX-DR-C-1020 - Power House General Arrangement Plan.dwg