A-A PENSTOCK CHAMBER SECTION
SCALE 1:20

ACCESS COVER AND FRAME IN ACCORDANCE WITH BS EN 124

CLASS B ENGINEERING BRICK (MIN 2-MAX 4 COURSES) OR PRECAST CONCRETE COVER FRAME SEATING RINGS

MIN 150mm C20 CONCRETE SURROUND

CHAMBER WALL

300mm SUMP

CAST IN-SITU CONCRETE BASE

ACCESS STEP IRONS TO BE POSITIONED AS PER MANUFACTURERS DETAILS

PRECAST CONCRETE COVER SLAB TO BE BEDDED ONTO CONCRETE SURROUND ONLY WITH MORTAR, PROPRIETARY BITUMEN OR RESIN MASTIC SEALANT

NON-RISING PENSTOCK EXTENSION TO BE SIZED AND APPROVED ON SITE. SPINDLE TO TERMINATE 100mm BELOW ACCESS COVER

C20 CONCRETE HAUNCH MIN 300m THICK

50mm THICK CONCRETE BUILDING

PENSTOCK VALVE

PENSTOCK CHAMBER PLAN
SCALE 1:20

INLET PIPE (SIZE AND ORIENTATION AS PER SCHEDULES)

MIN 150mm C20 CONCRETE SURROUND

600 X 600 ACCESS THROUGH COVER SLAB

CHAMBER WALL

NON-RISING PENSTOCK EXTENSION TO BE SIZED AND APPROVED ON SITE. SPINDLE TO TERMINATE 100mm BELOW ACCESS COVER

C20 CONCRETE HAUNCH MIN 300mm THICK

FLEXIBLE JOINT TO BE AS CLOSE AS POSSIBLE TO MANHOLE TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT

OUTLET PIPE (SIZE AND ORIENTATION AS PER SCHEDULES)

A   B

B-B PENSTOCK CHAMBER SECTION
SCALE 1:20

50mm THICK CONCRETE BUILDING

PENSTOCK VALVE

PENSTOCK EXTENSION SPINDLE AND MOUNTING BRACKETS TO BE SIZED AND APPROVED ON SITE. SPINDLE TO TERMINATE 100 BELOW ACCESS COVER

PENSTOCK SCHEDULE

NETWORK	REFERENCE	DIA (mm)
1	D10.OP.SN.2700	OUTGOING PIPE
2	D20.OP.SN.2960	OUTGOING PIPE
3	D30.OP.SN.4103	OUTGOING PIPE
4	D40.OP.SN.5290	OUTGOING PIPE
5	D50.OP.NV.5870	OUTGOING PIPE
6	D60.OP.NV.5870	OUTGOING PIPE
7	D70.OP.NV.6306	OUTGOING PIPE
8	D80.OP.HLS/V.5133	OUTGOING PIPE

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North Yorkshire County Council

CLIENT:
DESIGNER:
SITE/PROJECT:

A59 KEX GILL DIVERSION

STANDARD DETAILS - PENSTOCK CHAMBER

REV	DATE	BY	DESCRIPTION	CHK	APP
C01	31/07/2023	MA	FOR CONSTRUCTION	BB	MW

S3 - FOR REVIEW

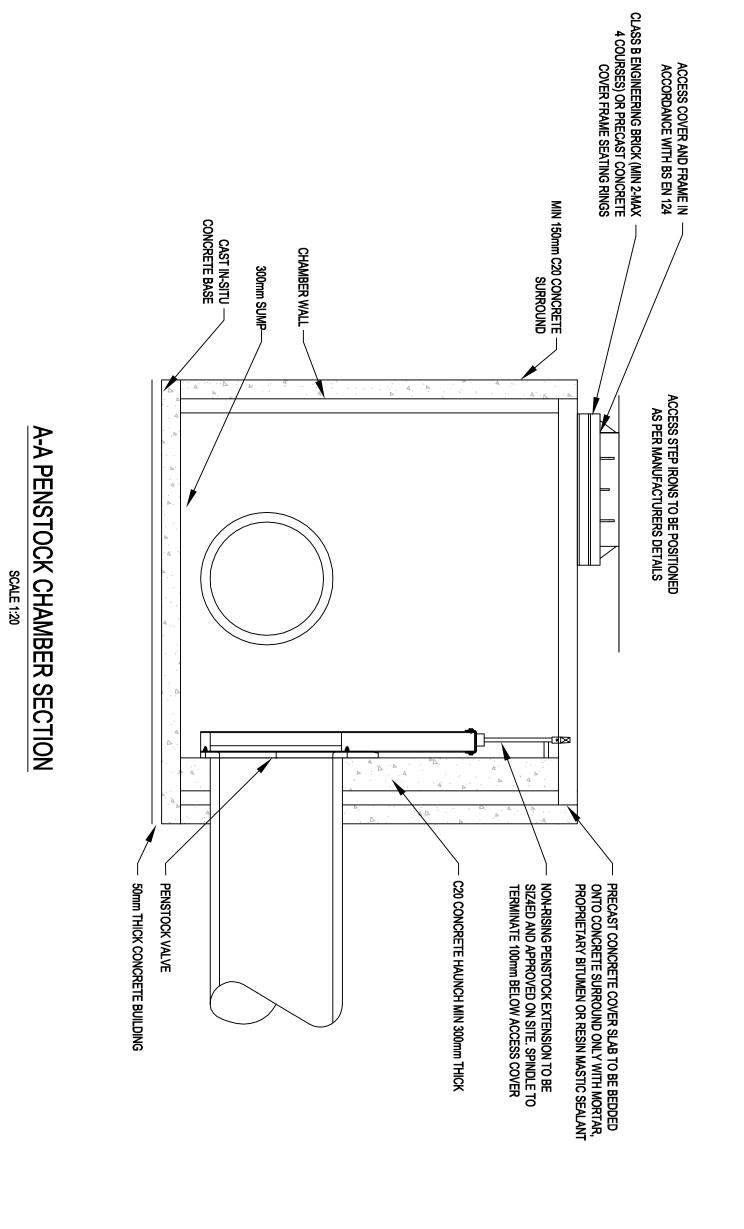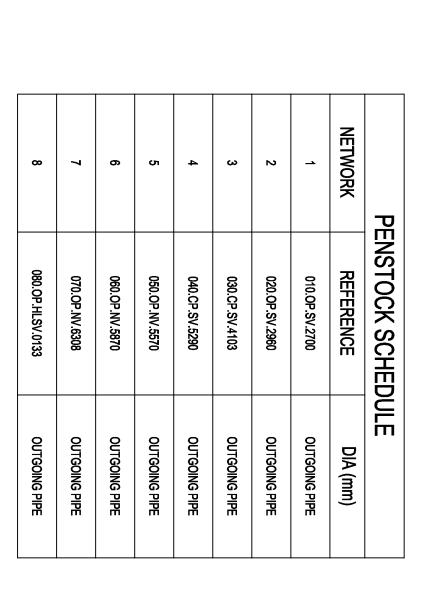| SCALE @ A1: | 1:20 | | | |
| PROJECT NO. | 7004954 | | | |
| DRAWING No. | | DESIGNED | BB | DRAWN | MA | APPROVED | MW | DATE: | 31/07/2023 |

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