

NOTE:

STEP RUNGS ARE TO BE POSITIONED AS SHOWN AND TO BE STAINLESS STEEL (GRADE 316S31 BS5970) TO BS1247 PARTS 1-2, DOUBLE STEP RUNGS (300mm WIDE AT 250mm VERTICAL CENTRES. MAX. DISTANCE FROM COVER LEVEL TO FIRST STEP 675mm.)

600mm x 600mm
DUCTILE IRON MANHOLE COVER AND
FRAMES TO BE TO EN124 CLASS D400
BEDDED ON M1, M2 OR
EPOXY MORTAR.

HYDRO-BRAKE BYPASS DOOR CABLE
SECURED WITHIN REACH OF COVER
TO ALLOW BYPASS OF FLOW CONTROL
FOR JETTING / RODDING

COVER LEVEL 65.35m (approx)

1.2m DIAMETER PRECAST CONCRETE
MANHOLE SECTIONS TO BE BEDDED
WITH MORTAR, PROPRIETY BITUMEN
OR RESIN MASTIC SEALANT

150mm THICK GRADE GEN3 CONCRETE
SURROUND (SULPHATE RESISTING)

INLET PIPE 300mm DIA.
IL 63.620m AOD

INLET PIPE 100mm DIA.
IL 64.25m AOD
FROM ACO CHANNEL

OUTLET PIPE
150mm DIA
IL 63.620m AOD

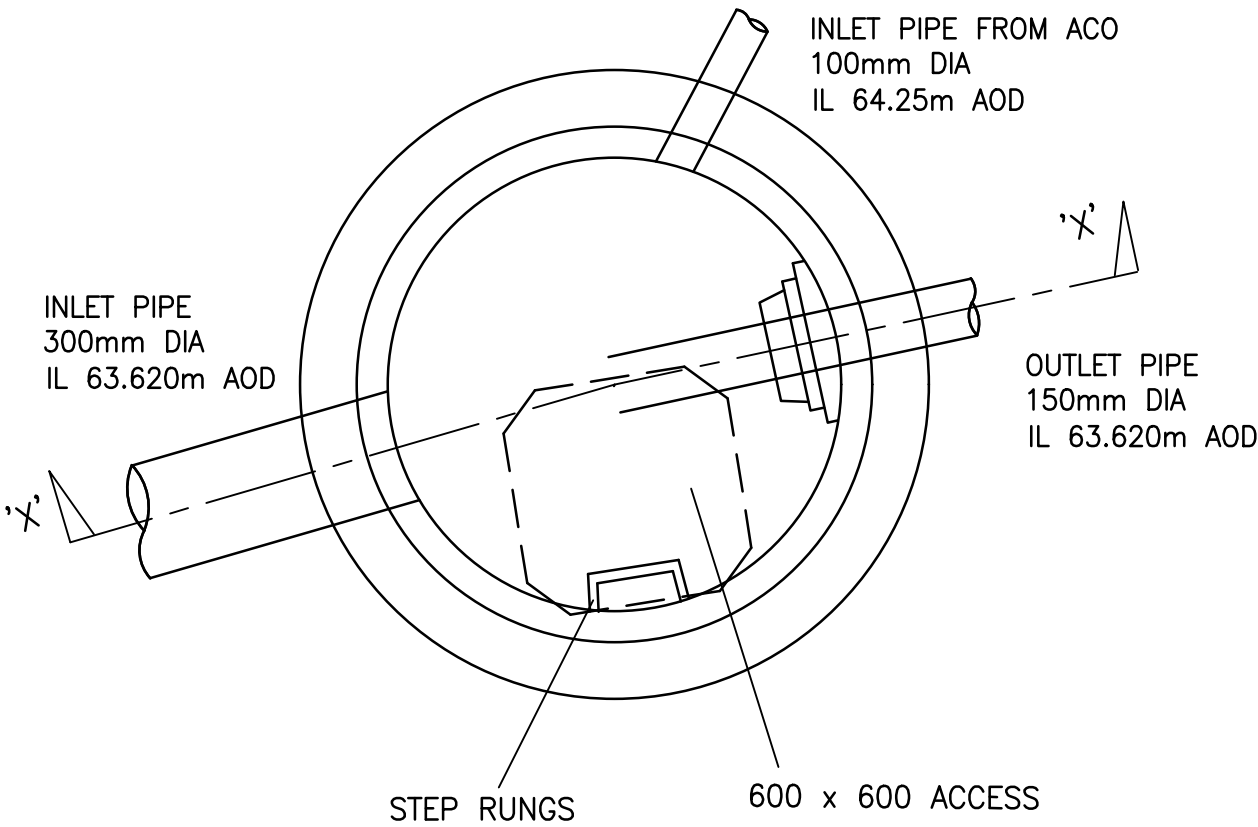
IN-SITU GRADE GEN3 CONCRETE
(DESIGNED TO B.R.E. DIGEST 1
CONCRETE IN AGGRESSIVE GROUND)

HYDRO-BRAKE OPTIMUM BY HYDRO INTERNATIONAL
TO CONTROL THE DISCHARGE TO A MAXIMUM OF
9 LITRES/SECOND AT A HEAD OF 1.5m

1 LAYER OF A393 MESH
FABRIC WITH 40mm COVER
TO REINFORCEMENT

HYDRO-BRAKE TO BE BOLTED OVER THE
OUTLET PIPE FROM THE CONTROL CHAMBER
IN ACCORDANCE WITH THE FIXTURES AND FITTING
REQUIREMENTS OF HYDRO INTERNATIONAL (01275-878371)
DRAWING No: SHE-0131-9000-1500-9000

SECTION X-X



PLAN VIEW

FLOW CONTROL MANHOLE

NOT OT SCALE

D.J.Barton Associates

CIVIL & STRUCTURAL ENGINEERING CONSULTANTS

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Client
DUSEK DESIGN ASSOCIATES LTD

Job
PROPOSED REDEVELOPMENT
18 LINKSWAY, NORTHWOOD,
MIDDLESEX, HA6 2XB

Title
FLOW CONTROL MANHOLE

Scale NTS

Drg. No.

Rev.

Date JULY 2022

2389/E/3