

JOINT TO BE AS CLOSE AS POSSIBLE TO
FACE OF MANHOLE TO PERMIT
SATISFACTORY JOINT & SUBSEQUENT
MOVEMENT

PIPE JOINT WITH CHANNEL TO BE
LOCATED MINIMUM 100mm INSIDE
FACE OF MANHOLE

MINIMUM WIDTH OF
BENCHING TO BE 225mm

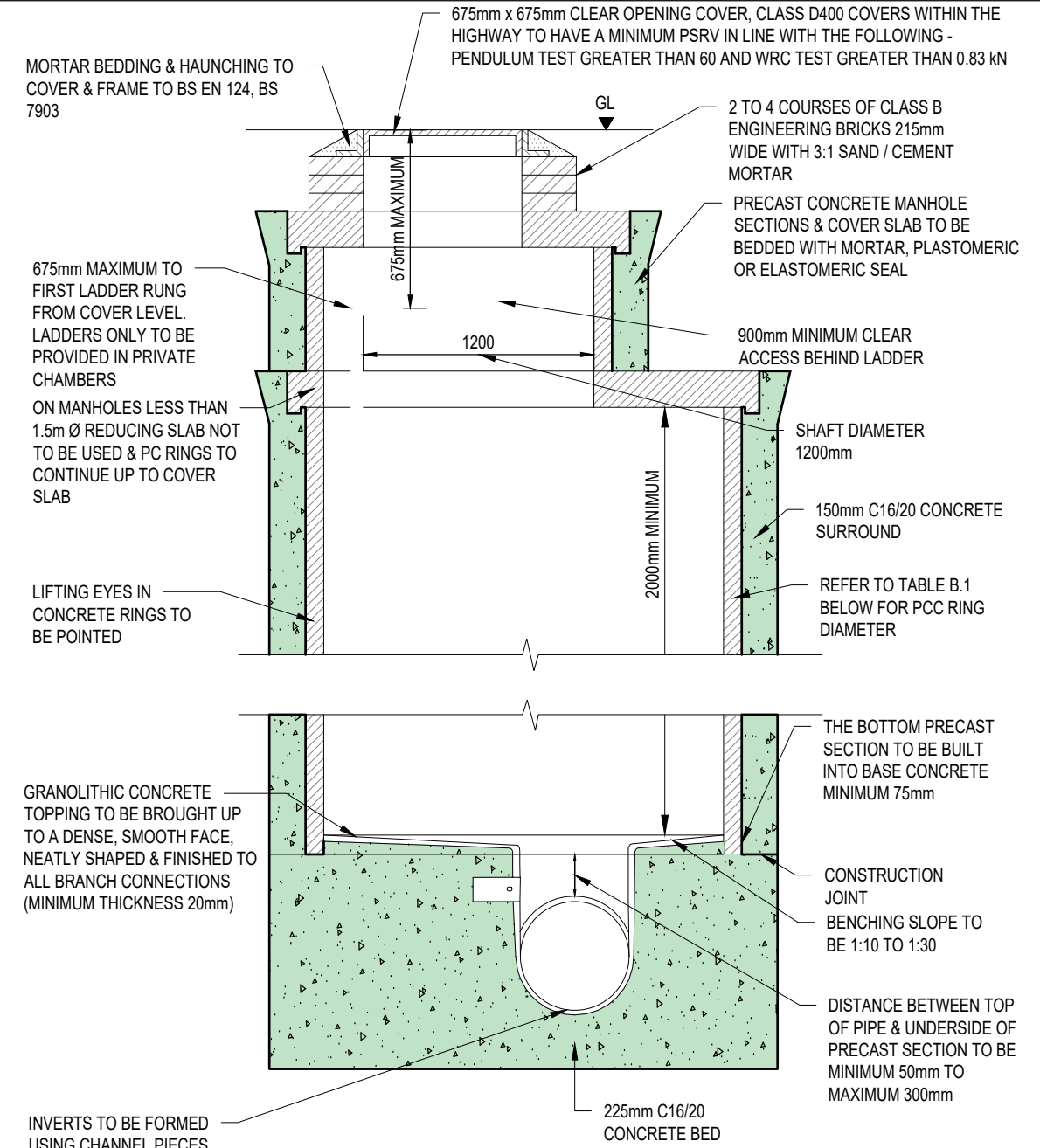
TOE HOLES TO BE
PROVIDED IN BENCHING OF
SEWER GREATER THAN
450mm Ø FOR ACCESS TO
INVERT

500mm MINIMUM FROM
EDGE OF STEPPING TO
EDGE OF CHANNEL

**TYPICAL PCC MANHOLE DETAIL
(TYPE 2)**

DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 2m TO 3m

SCALE 1:25



JOINT TO BE AS CLOSE AS POSSIBLE TO FACE OF MANHOLE TO PERMIT SATISFACTORY JOINT & SUBSEQUENT MOVEMENT

SEE TABLE 2 FOR ROCKER PIPE DETAILS

MINIMUM WIDTH OF BENCHING FOR LANDING AREA TO BE 500mm FROM THE EDGE OF THE LADDER TO THE EDGE OF THE CHANNEL

MINIMUM WIDTH OF BENCHING TO BE 225mm

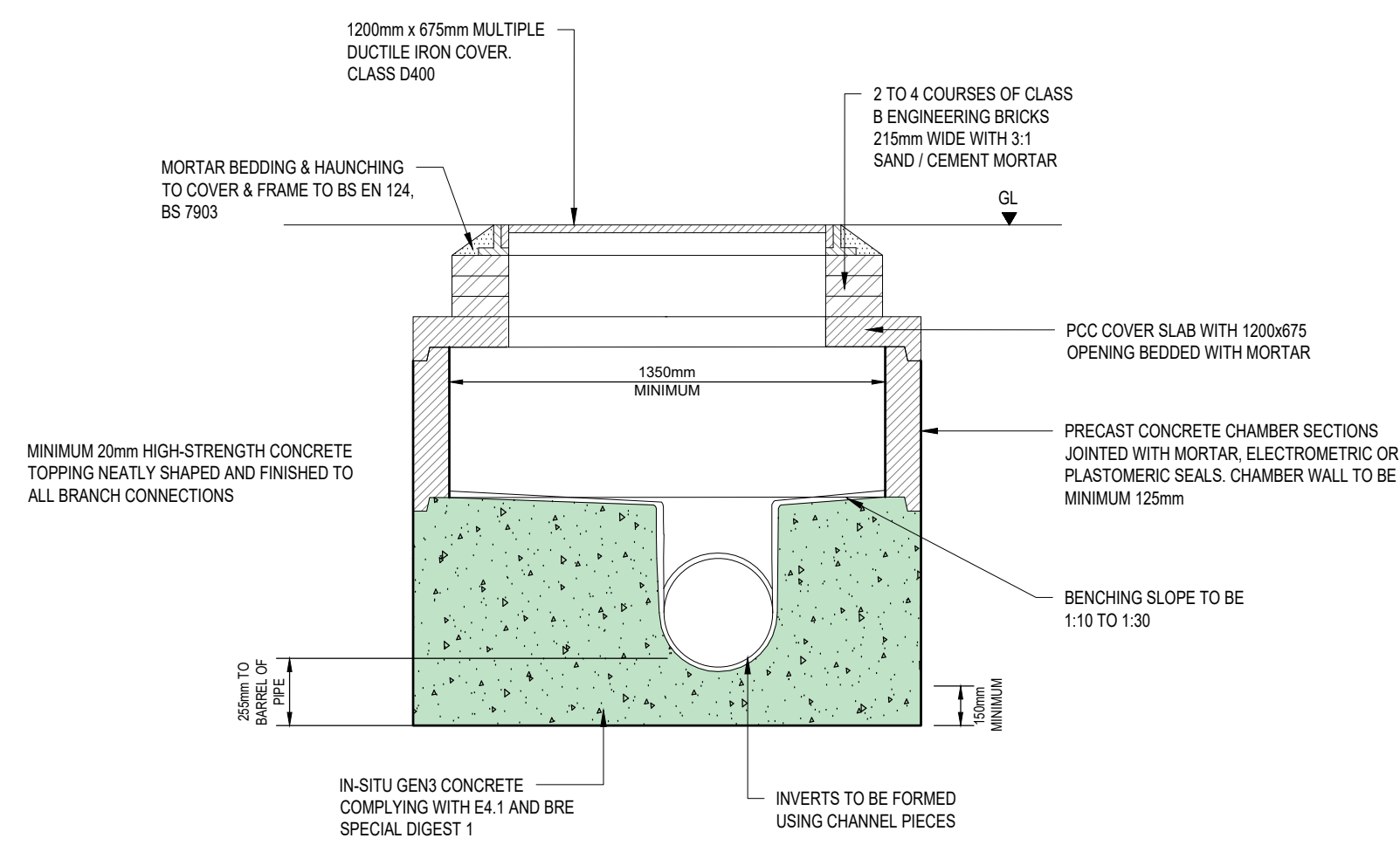
PIPE JOINT WITH CHANNEL TO BE LOCATED MINIMUM 100mm INSIDE FACE OF MANHOLE

NOTE:
OPENING TO BE LOCATED CENTRALLY OVER 900mm SHAFT & OFFSET APPROXIMATELY 200mm FOR 1200mm DIAMETER SHAFT WITH LADDER

**TYPICAL MANHOLE DETAIL
(TYPE 1A)**

DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3.0m to 6.0m

SCALE: 1:25



INTERNAL DIMENSIONS OF MANHOLE
NORMALLY 1350mm BUT MANHOLE DIAMETER
SHOULD BE INCREASED FOR PIPES LARGER
THAN 450mm DIAMETER TO GIVE 225mm
BENCHING

JOINT TO BE AS CLOSE AS POSSIBLE TO
FACE OF MANHOLE TO PERMIT
SATISFACTORY JOINT & SUBSEQUENT
MOVEMENT

MINIMUM WIDTH OF
BENCHING TO BE 225mm

TYPICAL MANHOLE DETAIL

JOINT TO BE AS CLOSE AS PRACTICABLE TO FACE OF MANHOLE TO PERMIT SATISFACTORY JOINT & SUBSEQUENT MOVEMENT. SHORT LENGTH PIPE TO BE SIMILAR LENGTH TO ROCKER PIPE

DESIGN INVERT LEVEL, REFER TO LAYOUTS FOR DETAILS

INLET PIPE

OUTLET PIPE

INLET / OUTLET PIPES TO BE CORED THROUGH PRECAST RINGS & SEALED WITH WATER-TIGHT PLASTOMERIC OR ELASTOMERIC SEALS CONFORMING TO BS EN 1917 & BS 5911-3 OR APPROVED SEALANT

OUTLET PIPE NOTATION AS OPPOSITE PIPE BARREL TO BE LEVEL WITH INLET

MINIMUM 300mm FROM INVERT TO FINISHED SUMP LEVEL

300 MIN

NOTATION AS MANHOLE TYPE 2 OR 1A AS APPROPRIATE, UNLESS NOTED OTHERWISE

TYPE 2 CATCHPIT MANHOLE

SECTION SIMILAR TO TYPE 2 TYPE 1A MANHOLE

ADDITIONAL REQUIREMENTS FOR CATCHPIT MANHOLE SHOWN (1:20 AT A1)

CATCHPIT MANHOLES TO NOT
BE IMPLEMENTED ON S104
ADOPTED DRAINAGE

INLET PIPE

OUTLET PIPE

TYPE 2 CATCHPIT MANHOLE
SURFACE WATER NETWORK ONLY

PLAN SIMILAR TO TYPE 2/ TYPE 1A MANHOLE ADDITIONAL
 REQUIREMENTS FOR CATCHPIT MANHOLE SHOWN
 (1:20 AT A1)

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IN ASSOCIATION WITH:

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ONE HORTON HEATH
SITE WIDE
INFRASTRUCTURE DELIVERY

TITLE:
DRAINAGE DETAILS
SHEET 1

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