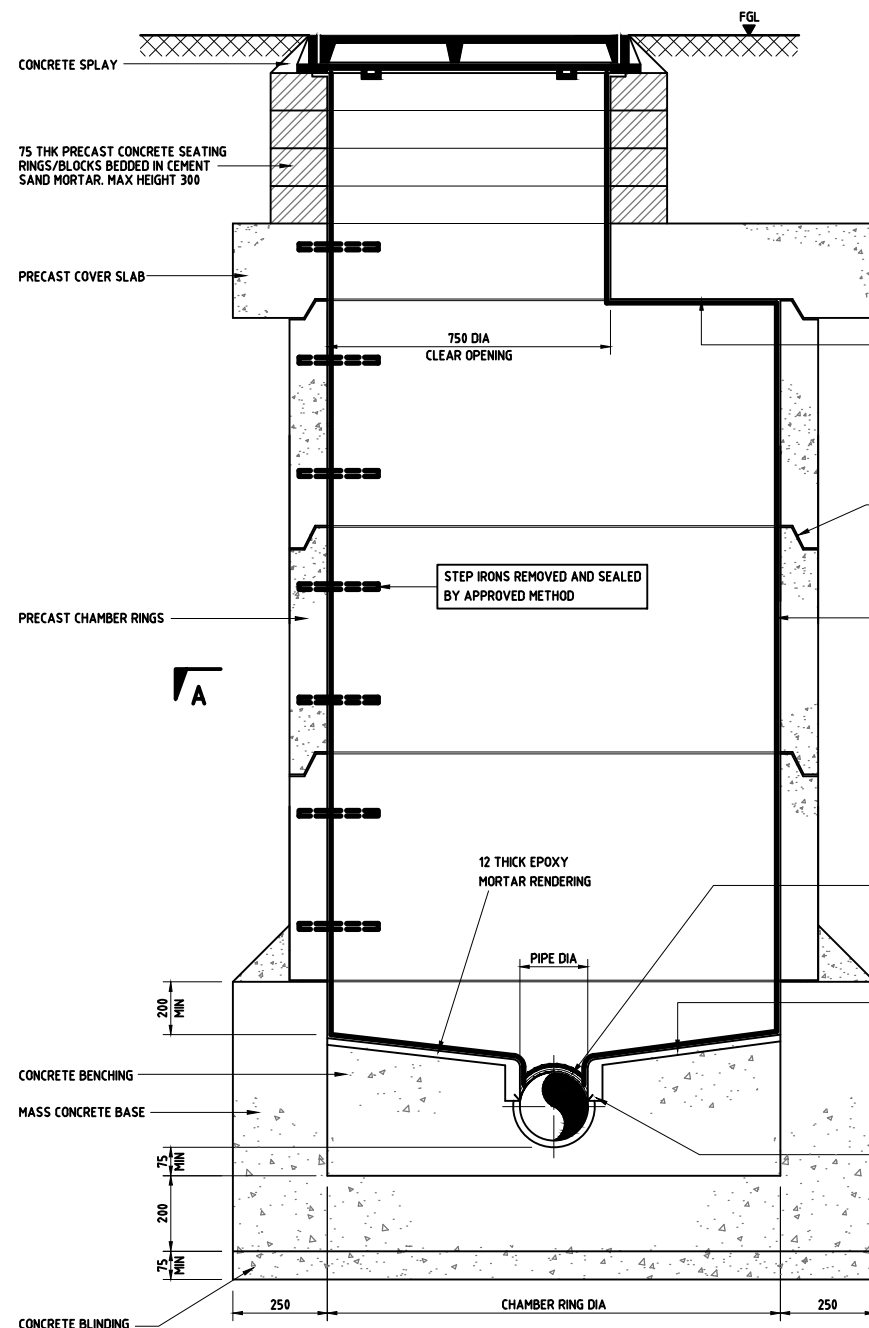


**MANHOLE WITHOUT
EXISTING REDUCER SLAB**

**MANHOLE WITH
EXISTING REDUCER SLAB**

SECTION-A-A



**TYPICAL CROSS SECTION MANHOLE
WITHOUT CONCRETE SURROUND TO PRECAST UNITS**

ROOF & WALL TO BE CLEANED AND
SCABBLED OR SAND BLASTED BEFORE
APPLICATION OF LINING. ANY LARGE
HOLES TO BE FILLED WITH 3:1 SAND
CEMENT MORTAR

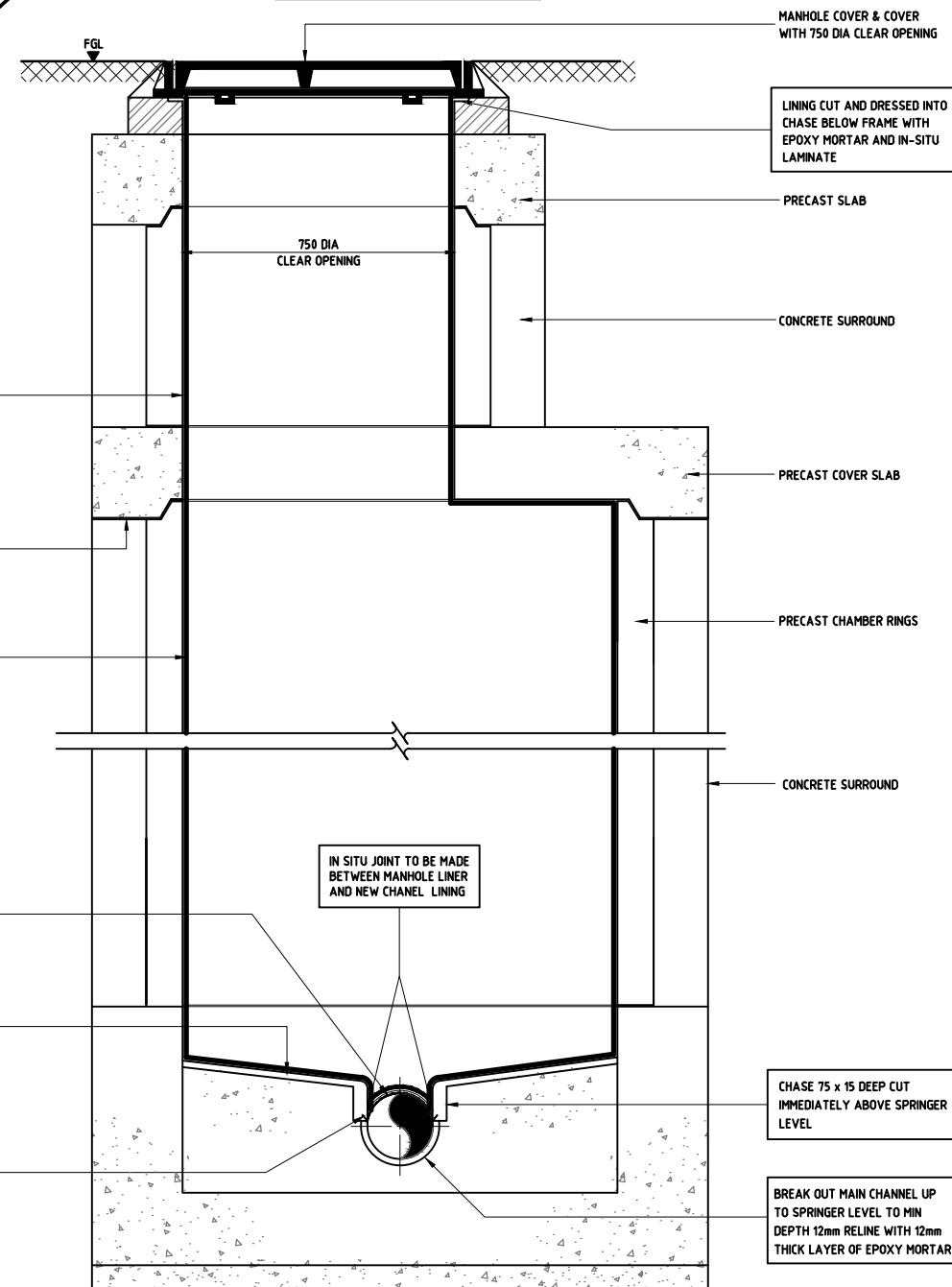
EXISTING JOINTS TO BE SEALED BY
APPROVED METHOD

GRP LINER

LINING CUT OUT OVER CHANNELS/SIDE
BRANCHES AND JOINTED TO PIPE LINER

BENCHING TO BE BROKEN OUT TO MIN.
DEPTH 12mm AND RE-COVERED AFTER
SEWER LINING WITH MIN. THICKNESS 12mm
EPOXY MORTAR, EXTENDING IN TO CHASE

IN-SITU SEWER LINING CUT AND DRESSED
INTO CHASE WITH EPOXY MORTAR



**TYPICAL CROSS SECTION MANHOLE
WITH EXISTING CONCRETE SURROUND TO PRECAST UNITS**

MANHOLE COVER & COVER
WITH 750 DIA CLEAR OPENING

LINING CUT AND DRESSED INTO
CHASE BELOW FRAME WITH
EPOXY MORTAR AND IN-SITU
LAMINATE

PRECAST SLAB

CONCRETE SURROUND

PRECAST COVER SLAB

PRECAST CHAMBER RINGS

CONCRETE SURROUND

IN SITU JOINT TO BE MADE
BETWEEN MANHOLE LINER
AND NEW CHANEL LINING

CHASE 75 x 15 DEEP CUT
IMMEDIATELY ABOVE SPRINGER
LEVEL

BREAK OUT MAIN CHANNEL UP
TO SPRINGER LEVEL TO MIN
DEPTH 12mm RELINE WITH 12mm
THICK LAYER OF EPOXY MORTAR

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT Q.C.S. UNLESS OTHERWISE AGREED WITH THE ENGINEER.
3. DETAILS SHOWN MAY VARY FROM MANHOLE TO MANHOLE AND EXACT MANHOLE CONFIGURATION TO BE DETERMINED ON SITE.
4. PROPOSED WORKS SHOWN IN BOXES FOR CLARITY.
5. ALL PROPOSED WORKS DETAIL TO BE APPLICABLE TO BOTH TYPES OF MANHOLE SHOWN ON THIS DRAWING.

LEGEND:

FGL FINISHED GROUND LEVEL

3	APR 19	ISSUED FOR USE	
2	01 MAR 19	REVALIDATED ISSUE	
1	03AUG15	ISSUED FOR USE	
0	15SEP13	ISSUED FOR USE	

Rev.	Date	Revision Details	Appd.
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QCS Section:
Section 8 - Drainage Works
Part 11 - Sewer Rehabilitation

Drawing Title:

**EXISTING
MANHOLE LINING DETAILS
METHOD - C**

Approved:	Sheet No:	1 OF 1
Date:	APRIL 2019	Scale: 1:10 ON A1
Drawing Number:	SD 8-11-103	Revision: