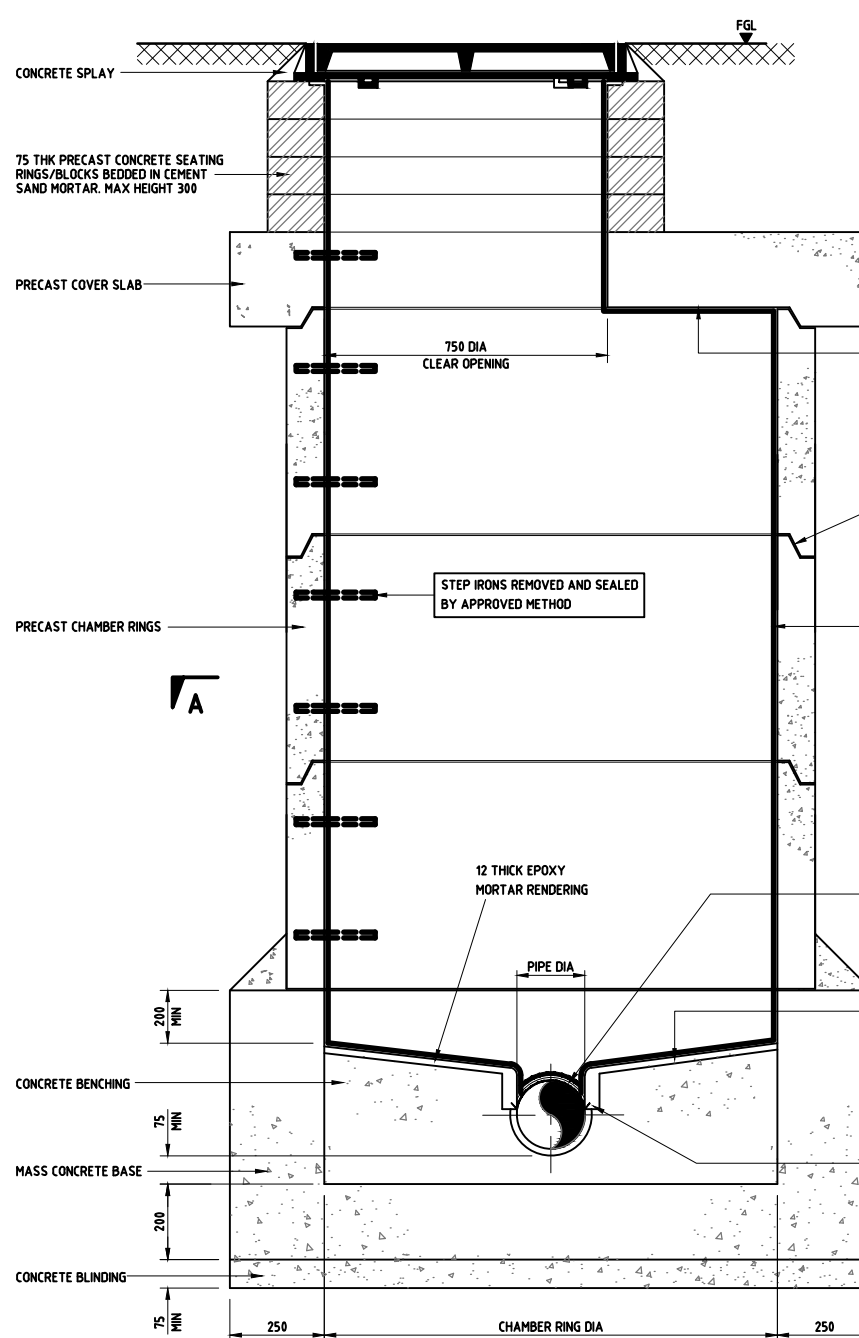


**MANHOLE WITHOUT
EXISTING REDUCER SLAB**

**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

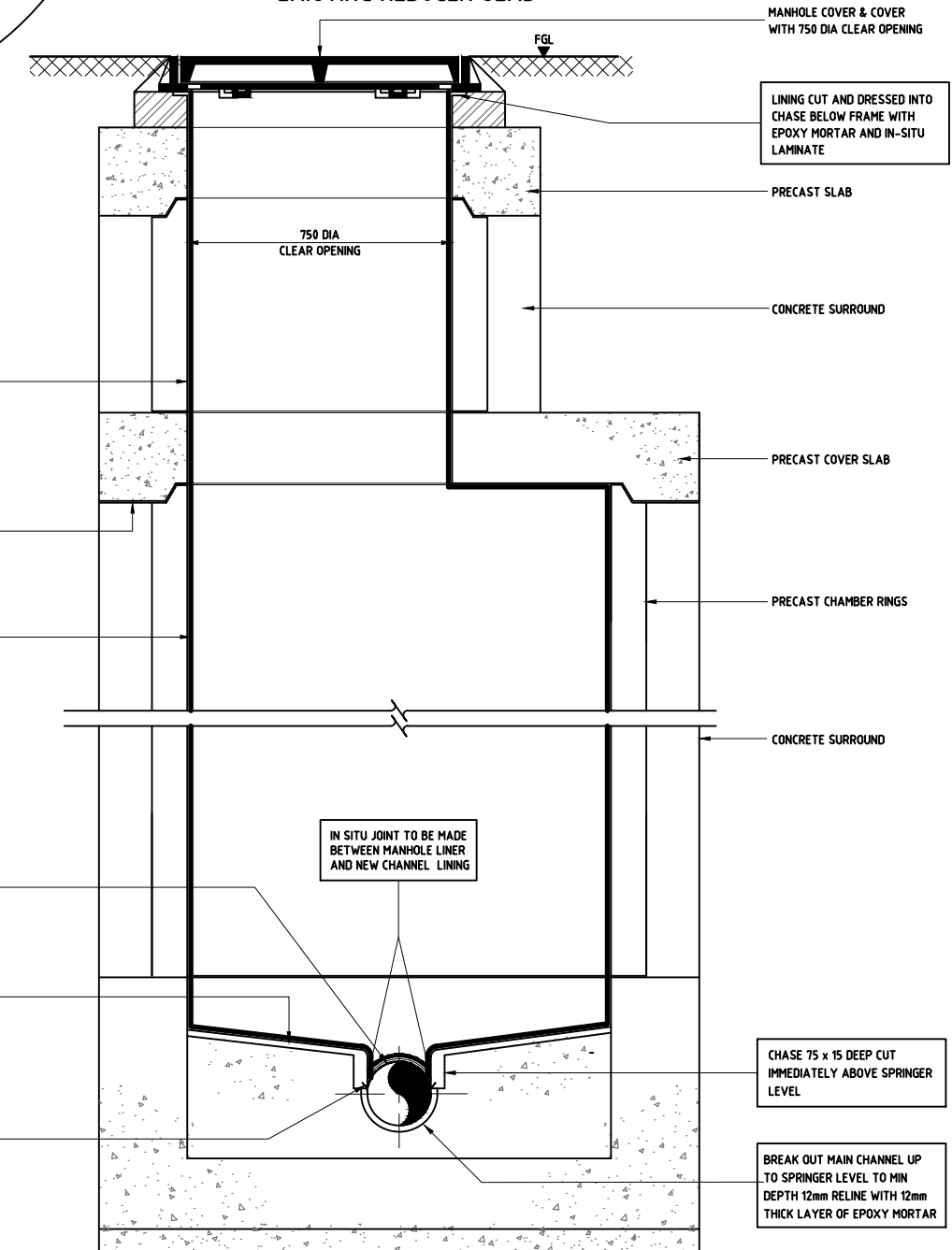
EXISTING JOINTS TO BE SEALED BY APPROVED METHOD

IN-SITU TUBE / LINING

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**

- 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.

هيئة الأشغال العامة
Public Works Authority

P.O. Box: 22188
Tel.: 00974 44950000
Fax: 00974 44950999

PA
PROJECTS AFFAIRS

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QCS Section:
Section 8 - Drainage Works
Part 11 - Sewer Rehabilitation

Drawing Title:
**EXISTING
MANHOLE LINING DETAILS
METHOD - B**

Approved:	Sheet No:	1 OF 1
Date:	APRIL 2019	Scale: 1:10 on A1
Drawing Number:	SD 8-11-102	Revision: 3