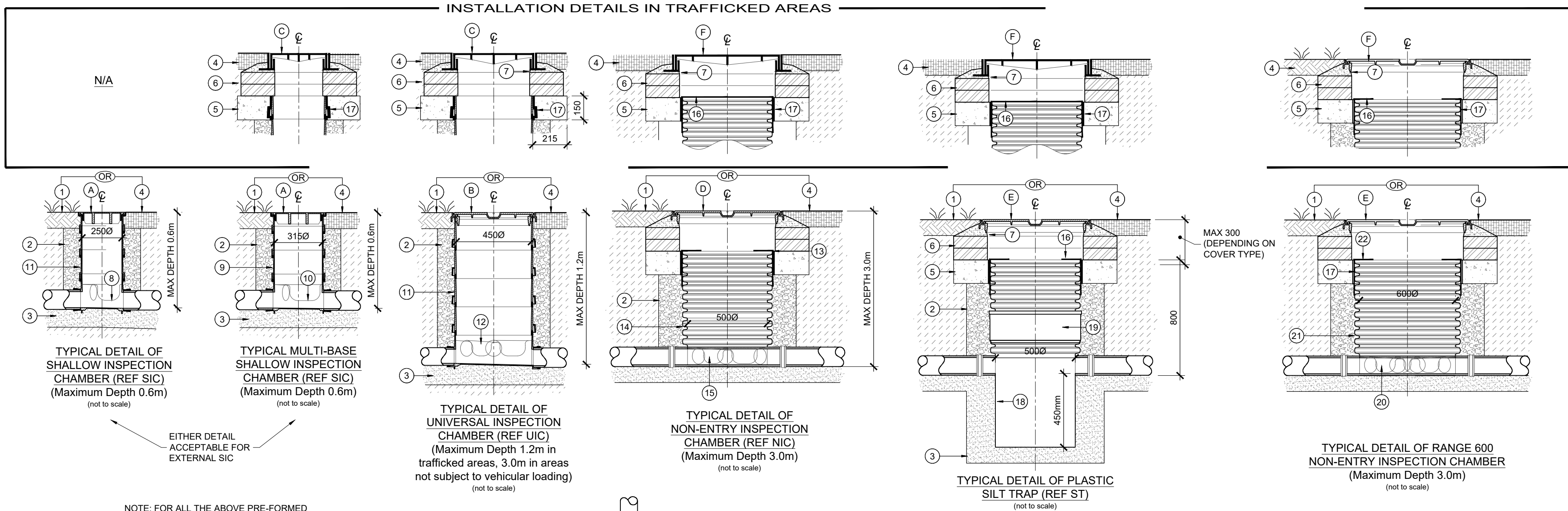


- (1) TOPSOIL TO LANDSCAPING SPECIFICATION.
- (2) MIN 150mm SIDE FILL OF SELECTED 'AS-DUG' MATERIAL WITH PARTICLE SIZES NO LARGER THAN 40mm OR GRANULAR MATERIAL TO PIPE BEDDING SPECIFICATION, WELL COMPACTED IN LAYERS NOT EXCEEDING 150mm THICK
- (3) GRANULAR PIPE BEDDING MATERIAL, MIN 100mm THICK.
- (4) FINISHED PAVEMENT CONSTRUCTION.
- (5) 'GEN 3' OR 'ST4' CONCRETE COLLAR.
- (6) TWO COURSES OF ENGINEERING BRICKWORK.
- (7) FRAME BEDDED AND HAUNCHED IN CLASS 1 CEMENT MORTAR.
- (8) WAVIN SHALLOW INSPECTION CHAMBER. ONE PEICE 600mm DEEP WITH 3 NO. INCOMING CONNECTIONS FOR 110mm Ø OSMA PIPEWORK.
- (9) 150mm DEEP WAVIN MULTI-BASE IL CHAMBER SHAFT SECTIONS (NUMBER TO SUIT REQUIRED DEPTH).
- (10) WAVIN MULTI-BASE CHAMBER BASE CONFIGURATION TO SUIT CONNECTIONS.
- (11) WAVIN PIE INSPECTION CHAMBER SHAFT 305mm DEEP (NUMBER TO SUIT DEPTH REQUIRED).
- (12) WAVIN UNIVERSAL INSPECTION CHAMBER BASE (CONFIGURATION TO SUIT CONNECTIONS).
- (13) WAVIN TELESCOPIC ADAPTOR FOR 500mm Ø NON MAN-ENTRY IL SHAFT WITH SEALING RING.
- (14) WAVIN NON MAN-ENTRY IL PIE INSPECTION CHAMBER SHAFT CUT TO REQUIRED LENGTH
- (15) WAVIN NON MAN-ENTRY INSPECTION CHAMBER BASE (CONFIGURATION TO SUIT CONNECTING PIPE WORK)
- (16) WAVIN NON MAN-ENTRY IL ACCESS CAP FOR 500mm Ø CHAMBER SHAFT.
- (17) GAP BETWEEN SLAB AND RESTRICTION CAP TO BE FILLED WITH 10mm COMPRESSIBLE FILLER BOARD.
- (18) WAVIN 'INTESIO' SILT TRAP WITH CONNECTION FOR 160mm OSMO PIPEWORK. ADAPTORS REQUIRED FOR 100mm OSMO OR OTHER CONNECTING PIPEWORK.
- (19) WHERE DEPTHS TO INVERT OF PIPE GREATER THAN 1200mm ARE REQUIRED, AN EXTENSION KIT CAN BE USED TO EXTEND DEPTH TO 2550mm (TO INVERT OF PIPE).
- (20) WAVIN RANGE 600 INSPECTION CHAMBER BASE FOR USE WITH 225mmØ/ 300mmØ TWIN WALL PIPE OR 225mmØ/ 300mmØ ULTRARIB WITH ADAPTORS. MAX 3NO. PIPE CONNECTIONS AND BASE TO SUIT CONFIGURATION.
- (21) WAVIN RANGE 600 NON MAN-ENTRY INSPECTION CHAMBER SHAFT CUT TO REQUIRED LENGTH.
- (22) WAVIN NON MAN-ENTRY INSPECTION CHAMBER ACCESS CAP FOR 600mmØ RANGE 600 ACCESS SHAFT.



TYPICAL DETAILS FOR INSPECTION CHAMBERS
(not to scale)

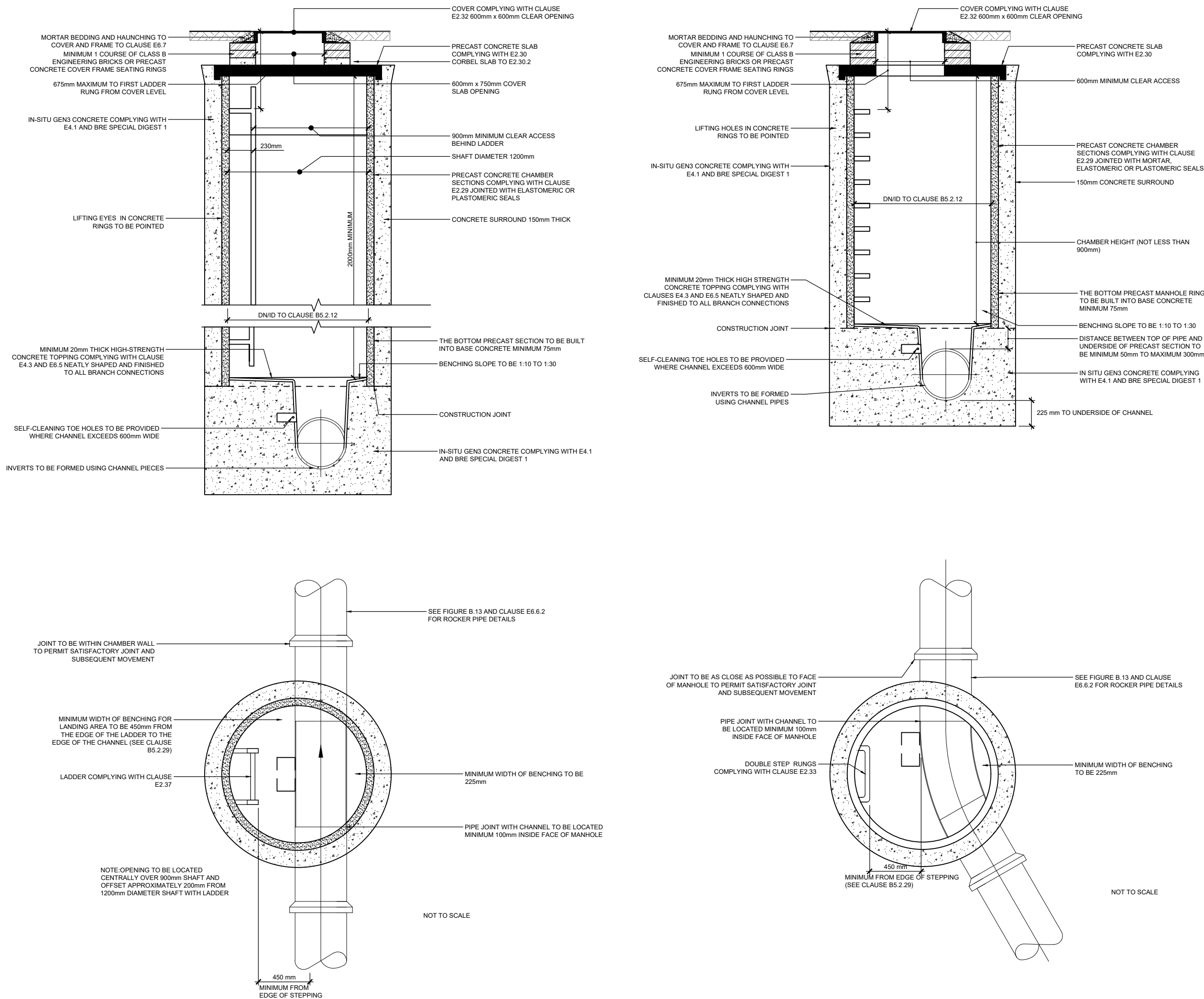


FIGURE B 7 TYPICAL MANHOLE DETAIL - TYPE A2
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3 M TO 6 M WITH LADDER
ALTERNATIVE RIGID MATERIAL CONSTRUCTION WITH CONCRETE SURROUND

FIGURE B 10 TYPICAL MANHOLE DETAIL - TYPE B
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 1.5 M TO 3 M. ALTERNATIVE RIGID MATERIAL CONSTRUCTION WITH CONCRETE SURROUND

FIGURE B 14 TYPICAL MANHOLE DETAIL - TYPE C
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE LESS THAN 1.5 M. MAXIMUM PIPE SIZE 450mm DIAMETER. RIGID MATERIAL CONSTRUCTION

DO NOT SCALE.
IF IN DOUBT PLEASE ASK.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
NOTES: THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RISK REGISTER PRODUCED FOR INCLUSION IN THE HEALTH AND SAFETY PLAN. THE HAZARDS NOTED ARE IN ADDITION TO THE NORMAL HAZARDS AND RISKS FACED BY A COMPETENT CONTRACTOR WHEN DEALING WITH THE TYPE OF WORKS DETAILED ON THIS DRAWING.

CONSTRUCTION RISKS:

- DEEP EXCAVATIONS.
- BURIED SERVICES.

MAINTENANCE/CLEANING/IN USE RISKS:

- NO SIGNIFICANT RISKS.

DEMOLITION RISKS:

- NO SIGNIFICANT RISKS.

NOTE:

1. DO NOT SCALE, IF IN DOUBT ASK.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL ENGINEER'S DRAWINGS AND DETAILS, THE SPECIFICATION FOR THE WORKS, THE RELEVANT ARCHITECT'S DRAWINGS AND ANY OTHER SPECIALISTS DRAWINGS.
3. ANY DISCREPANCIES FOUND ON THIS OR ANY OTHER DRAWINGS ARE TO BE REPORTED TO AND RESOLVED BY ROSSI LONG CONSULTING BEFORE THE COMMENCEMENT OF ANY WORK RELEVANT TO THE DISCREPANCY.
4. THE PRINCIPAL CONTRACTOR IS TO PROVIDE FULLY DESIGNED PROPPINGS/SHORING TO FACILITATE THE WORKS. ALL PROPPING & BRACING IS TO BE ADEQUATELY FOUNDED TO ENSURE THE STABILITY/INTEGRITY OF THE EXISTING/PROPOSED STRUCTURES &/OR EARTHWORKS IS MAINTAINED. UNLESS INDICATED ON THE DRAWINGS, THE TEMPORARY WORKS ARE NOT TO IMPOSE REACTIONS ON THE PERMANENT STRUCTURE WITHOUT PRIOR WRITTEN CONSENT FROM ROSSI LONG CONSULTING.
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- (1) GULLY GRATING AND FRAME SHALL BE KITE-MARKED TO BSEN124 GRADE D400. ALL GRATINGS SHALL BE MANUFACTURED FROM CAST IRON OR DUCTILE IRON, CLEARLY MARKED WITH THE MAKER'S NAME AND THE GRADE OF THE THE GRATING, AND SHALL BE HINGED AND NON-REMOVABLE. GULLY FRAME SHALL BE SET ON A 10-20mm THICK CLASS 1 CEMENT MORTAR BED. GRATING AND FRAME TO BE SET 0-5mm BELOW THE CARRIAGEWAY SURFACE AND FLUSH WITH THE KERB FACE. ANY GAP SHALL BE FILLED WITH CLASS 1 MORTAR.
- (2) AT LEAST ONE AND NOT MORE THAN FIVE COURSES CLASS B ENGINEERING BRICKWORK TO BSEN771 & 772 LAID SQUARE. CHANGE IN PROFILE FROM SQUARE TO CIRCULAR TO BE SHAPED IN CLASS 1 MORTAR.
- (3) GULLY POT TO BE PRECAST CONCRETE TRAPPED TO BS5911-6(2004) HAVING INTERNAL DIMENSIONS 450mmØ AND 900mm MIN DEPTH. ALTERNATIVELY, BBA APPROVED uPVC PLASTIC GULLY POTS COMPLYING WITH BS1401 AND BSEN13598 MAY BE USED.
- (4) 150mm THICK CONCRETE SURROUND (MIX 'ST4' TO BS8500).
- (5) WHERE THE GULLY CONNECTION PIPE PASSES UNDER THE CARRIAGEWAY THE INVERT OF THE PIPE AT THE OUTLET SHALL BE SET AT LEAST 175mm BELOW FORMATION LEVEL. THE INVERT SHALL BE AT LEAST 315mm BELOW THE TOP OF THE SUB-BASE. A MIN 150mm THICK CONCRETE SURROUND (MIX 'ST2') SHALL BE CONTINUED TO THE CONNECTION PIPE UNTIL A DEPTH OF COVER OF 900mm TO THE CROWN OF THE PIPE HAS BEEN ACHIEVED.
- (6) PLASTIC STOPPER AND CHAIN.
- (7) JOINT FILLER BOARD TO MAINTAIN FLEXIBLE JOINTS THROUGH CONCRETE SURROUND.

PRELIMINARY DRAWING:
THIS DRAWING IS FOR PRELIMINARY PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT.

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PROJECT

LUCAS LANE
HITCHIN, HERTFORDSHIRE

TITLE

DRAINAGE CONSTRUCTION
DETAILS SHEET 1

DRAWN JS	AUTHORISED PC	DATE FEB '25	SCALE AT A1 NOT TO SCALE
SUITABILITY S2 - INFORMATION			
PROJECT NO. 251029	DRAWING FIELDS.	DRAWING NO. C-2400	REV P01