

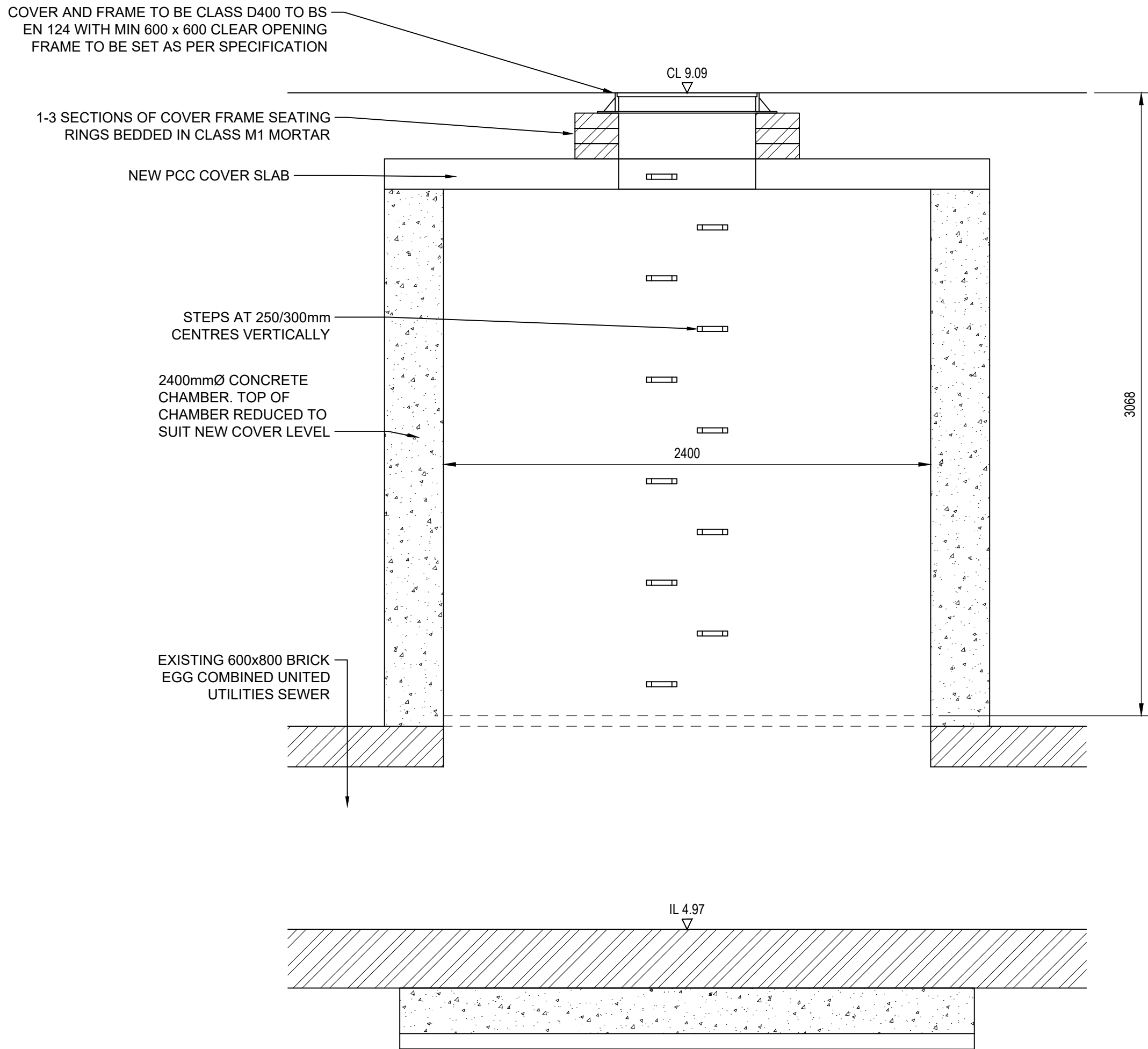
| REV | DATE       | DESCRIPTION            | DRW | CHK |
|-----|------------|------------------------|-----|-----|
| P01 | 28/06/2024 | PRELIMINARY ISSUE      | SNK | GS  |
| P02 | 25/07/2024 | REVISED TO UU COMMENTS | SNK | GS  |
| C01 | 07/11/2024 | TENDER ISSUE           | SNK | GS  |
| C02 | 12/02/2025 | REVISED TO UU COMMENTS | SNK | GS  |
| C03 | 17/03/2025 | REVISED TO UU COMMENTS | MH  | SNK |
| C04 | 24/04/2025 | REVISED TO UU COMMENTS | SNK | MP  |
| C05 | 20/05/2025 | CONSTRUCTION ISSUE     | HP  | SNK |

#### NOTES

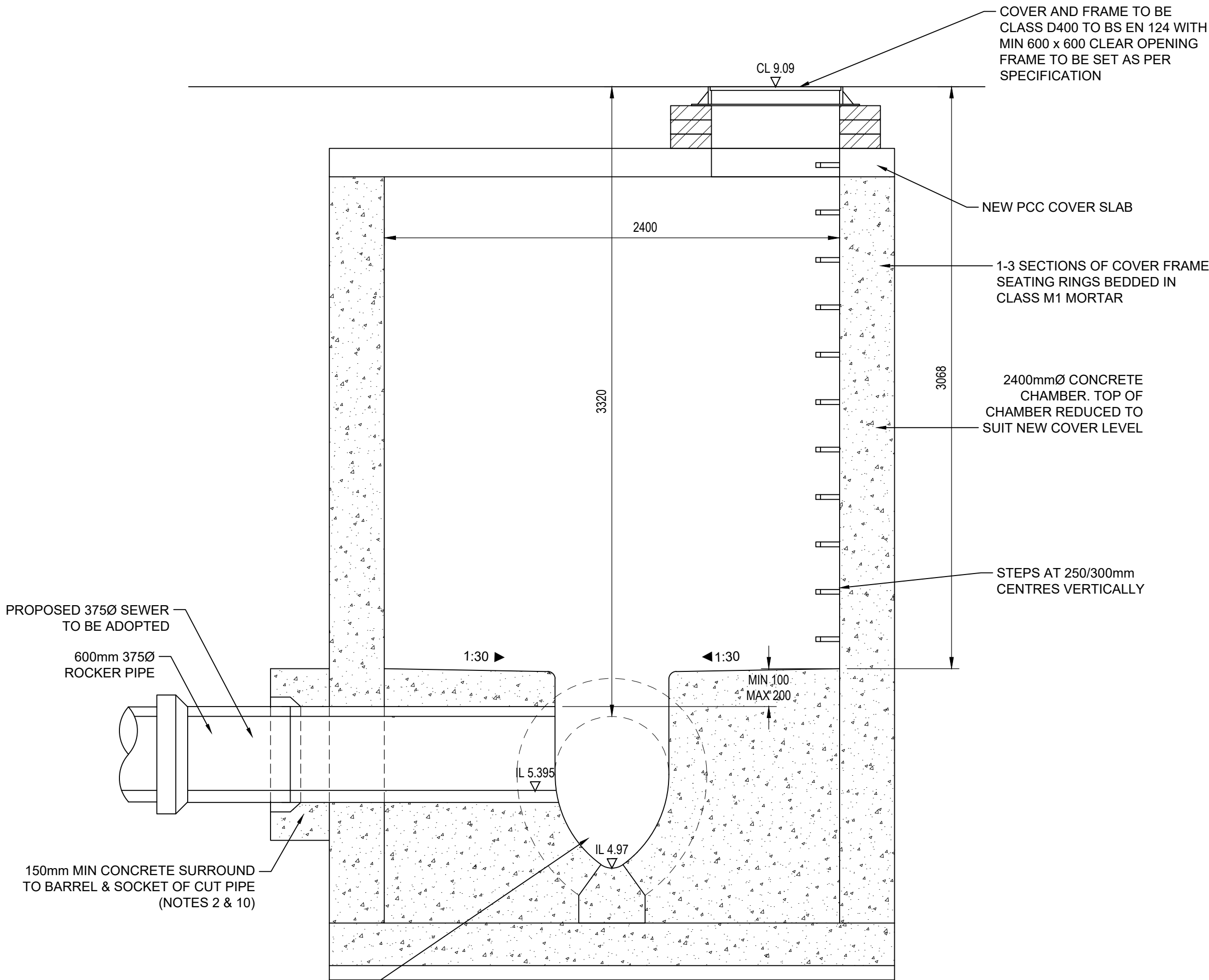
- ALL DIMENSIONS ARE IN MILLIMETRES
- CONCRETE BENCHING AND PIPE SURROUND**  
SHALL BE PLACED IN SINGLE CONTINUOUS OPERATION FROM TOP OF BASE SLAB TO TOP OF BENCHING AND PIPE SURROUND
- CONNECTION INTO MANHOLES**  
SHALL BE CONSTRUCTED WITH THE SOFFITS LEVEL UNLESS DETAILED DIFFERENTLY ON CONTRACT DRAWINGS
- METALWORK**  
LADDERS, HANDRAILING AND SAFETY CHAIN SHALL BE AS SHOWN ON DEVELOPER SERVICES DETAIL 9 (STND/19/009)
- CONCRETE SURROUND TO MANHOLES**  
A CONCRETE SURROUND IS NOT NORMALLY REQUIRED TO MANHOLES UNLESS INSTALLED IN AREAS OF UNSTABLE GROUND, UNDER CONDITIONS OF FLOTATION OR WHERE SUBJECTED TO EXCEPTIONAL OR ECCENTRIC LOADS. IN WHICH CASES A 150 SURROUND OF AT LEAST 20 N/mm CONCRETE SHALL BE PROVIDED. ANY JOINTS SHOULD BE STAGGERED WITH PRECAST CONCRETE JOINTS
- MINIMUM LENGTH OF CHANNEL (X Min)**

| CHAMBER DIA | "X" MIN |
|-------------|---------|
| 1050        | 800     |
| 1200        | 950     |
| 1350        | 1000    |
| 1500        | 1050    |
| 1800        | 1150    |
| 2100        | 1300    |
| 2400        | 1450    |
| 2700        | 1550    |
| 3000        | 1700    |

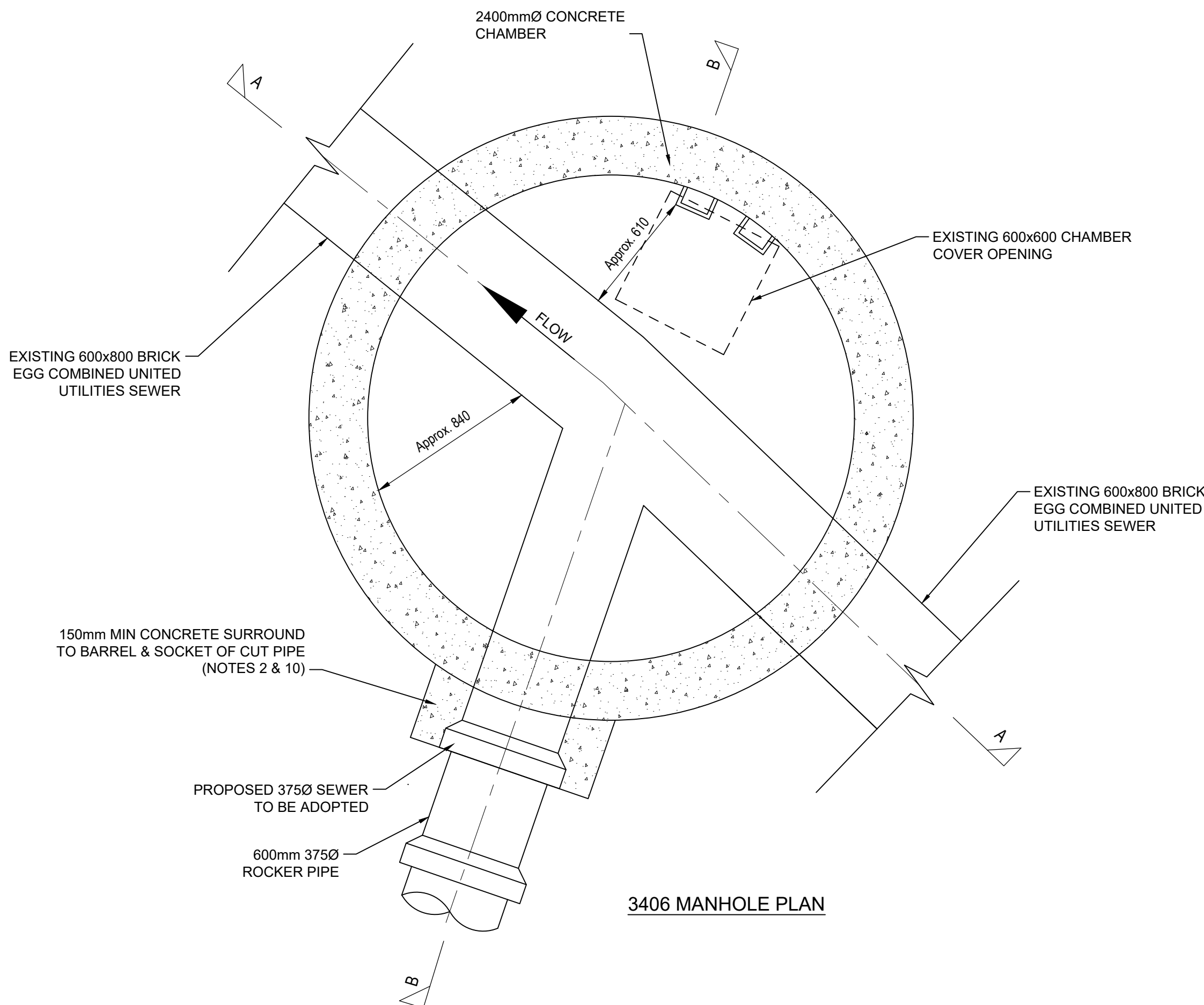
- CUT ENDS OF REINFORCED CONCRETE PIPES**  
SHALL BE TREATED WITH EPOXY RESIN PAINT/MORTAR
- MANHOLE ACCESSES FOR MANHOLE ACCESS**  
OPTIONS AND DETAILS SEE DEVELOPER SERVICES DETAIL 10 (STND/19/010)  
DOUBLE STEPS SHALL BE PLASTIC ENCAPSULATED CARBON STEEL TO BS EN 1247-2. DOUBLE STEPS SHALL NOT BE USED WHERE COVER-TO-SOFFIT DIMENSION IS >3.0m
- COVER AND FRAME**  
150 DEEP COVERS ARE TO BE USED IN CATEGORY 1, 2, 3 ROADS. 100 DEEP COVERS ARE TO BE USED IN CATEGORY 4 ROADS. DOUBLE TRIANGULAR COVERS ARE TO BE USED IN CARRIAGEWAY. ROAD CATEGORY TO BE DESIGNATED BY THE HIGHWAY AUTHORITY. FRAME TO BE SET AS PER SPECIFICATION
- CONCRETE**  
ALL IN-SITU CONCRETE TO BE DC - 3 OR FND3
- VARIABLE FEATURES (V.F.)**  
WHERE V.F. APPEARS IN ANNOTATION REFER TO VARIABLE FEATURES AS SHOWN ON DEVELOPER SERVICES DETAIL 10 (STND/19/010)



3406 MANHOLE SECTION A-A



3406 MANHOLE SECTION B-B



3406 MANHOLE PLAN

HEALTH & SAFETY  
1. CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.  
ROADS & DRAINAGE  
2. CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE  
3. THE TIME THAT EXCAVATIONS ARE OPEN ON SITE SHOULD BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SURROUNDED BY A BARRIER.  
4. CONNECTIONS TO EXISTING SEWERS TO BE MADE BY SW APPROVED CONTRACTOR ONLY.  
5. CONTRACTOR TO MAKE OPERATIVES AWARE OF ASSOCIATED DANGERS TO HEALTH SUCH AS LEPTOSPIROSIS (WELLS DISEASE) AND RECOMMENDED PRECAUTIONS. ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.  
6. UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIER.  
PIPES & CABLES  
7. SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY.  
EXCAVATION/FILL  
8. CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS.  
9. CONTRACTOR TO ENSURE THAT PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHERE NECESSARY.  
10. CONTRACTOR TO REFER TO GROUND INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.

SUBJECT TO THE APPROVAL OF  
ALL RELEVANT AUTHORITIES

Client  
**Aldi Stores Ltd.**

Project Title  
**Aldi - Whitehaven**

Project Address  
**Preston Street  
Whitehaven**



#### Manhole 3406 Proposed Details

| Job No.               | Originator  | Zone        | Level    | Type | Role |
|-----------------------|-------------|-------------|----------|------|------|
| DA-0470               | 3E          | ZZ          | XX       | DR   | C    |
| System Classification | Drawing No. | Suitability | Revision |      |      |
| Ro. 50_20_11          | -6003       | A5          | C05      |      |      |
| Drawn                 | Checked     | Date        | Scale    | Size |      |
| SNK                   | GS          | Jun 2024    | 1:20     | A1   |      |

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9BA



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ALL RELEVANT AUTHORITIES