

| REV | DATE | DESCRIPTION | DRW | CHK |
|-----|------------|---------------|-----|-----|
| C01 | 17/03/2025 | INITIAL ISSUE | MH | 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 ACCESSSES 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)

SUBJECT TO THE APPROVAL OF
ALL RELEVANT AUTHORITIES

Client
Aldi Stores Ltd.

Project Title
Aldi - Whitehaven

Project Address
**Preston Street
Whitehaven**



Existing Manhole Details

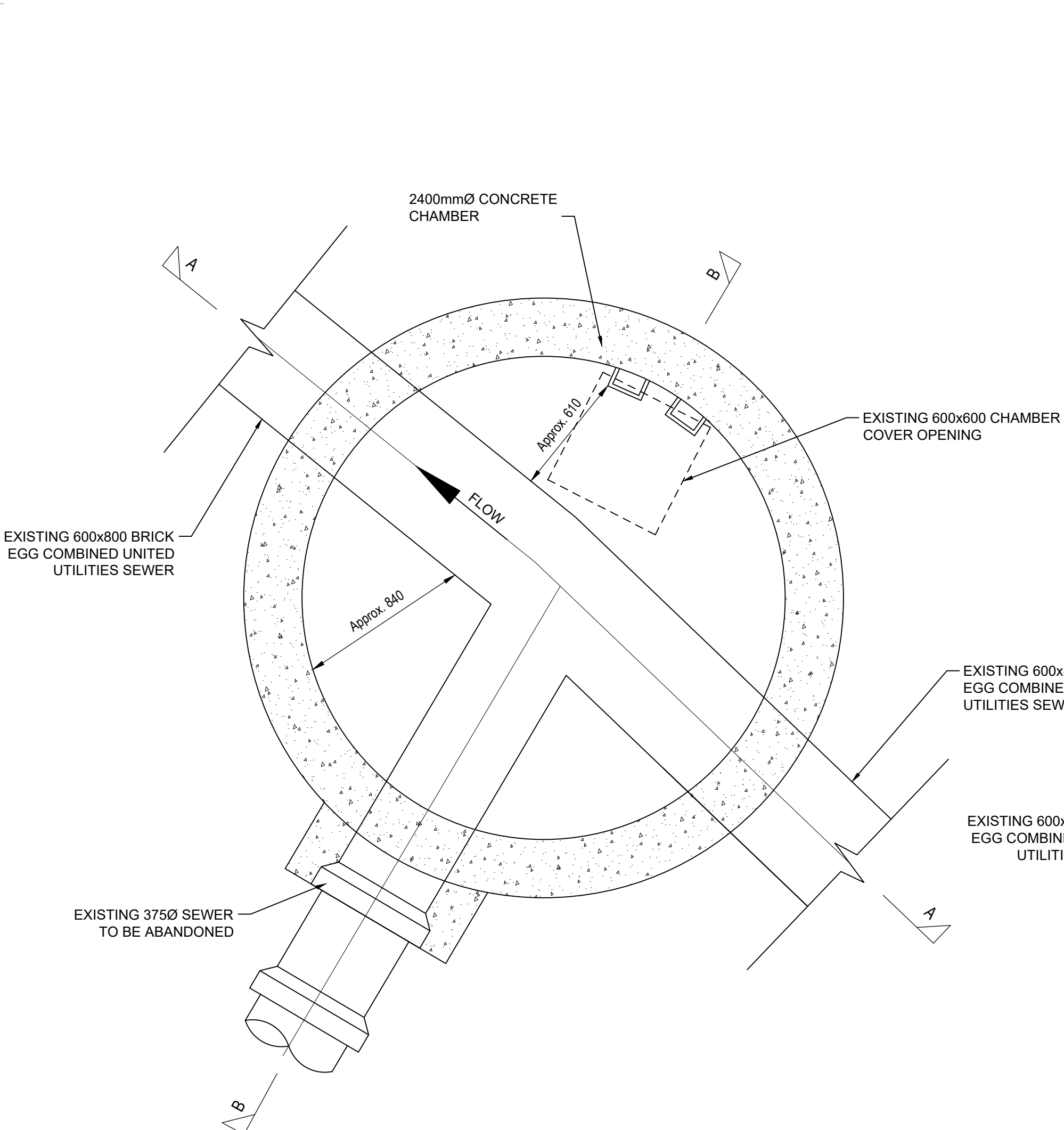
| Job No. | Originator | Zone | Level | Type | Role |
|-----------------------|-------------|-------------|----------|------|------|
| 79-EXXX | 3E | ZZ | XX | DR | C |
| System Classification | Drawing No. | Suitability | Revision | | |
| Ro. 50_20_11 | -6007 | D2 | C01 | | |
| Drawn | Checked | Date | Scale | Size | |
| SNK | GS | Mar 2025 | 1:20 | A1 | |

Newcastle Office
2 Esh Plaza, Sir Bobby Robson Way
Great Park, Newcastle upon Tyne
NE13 9BA

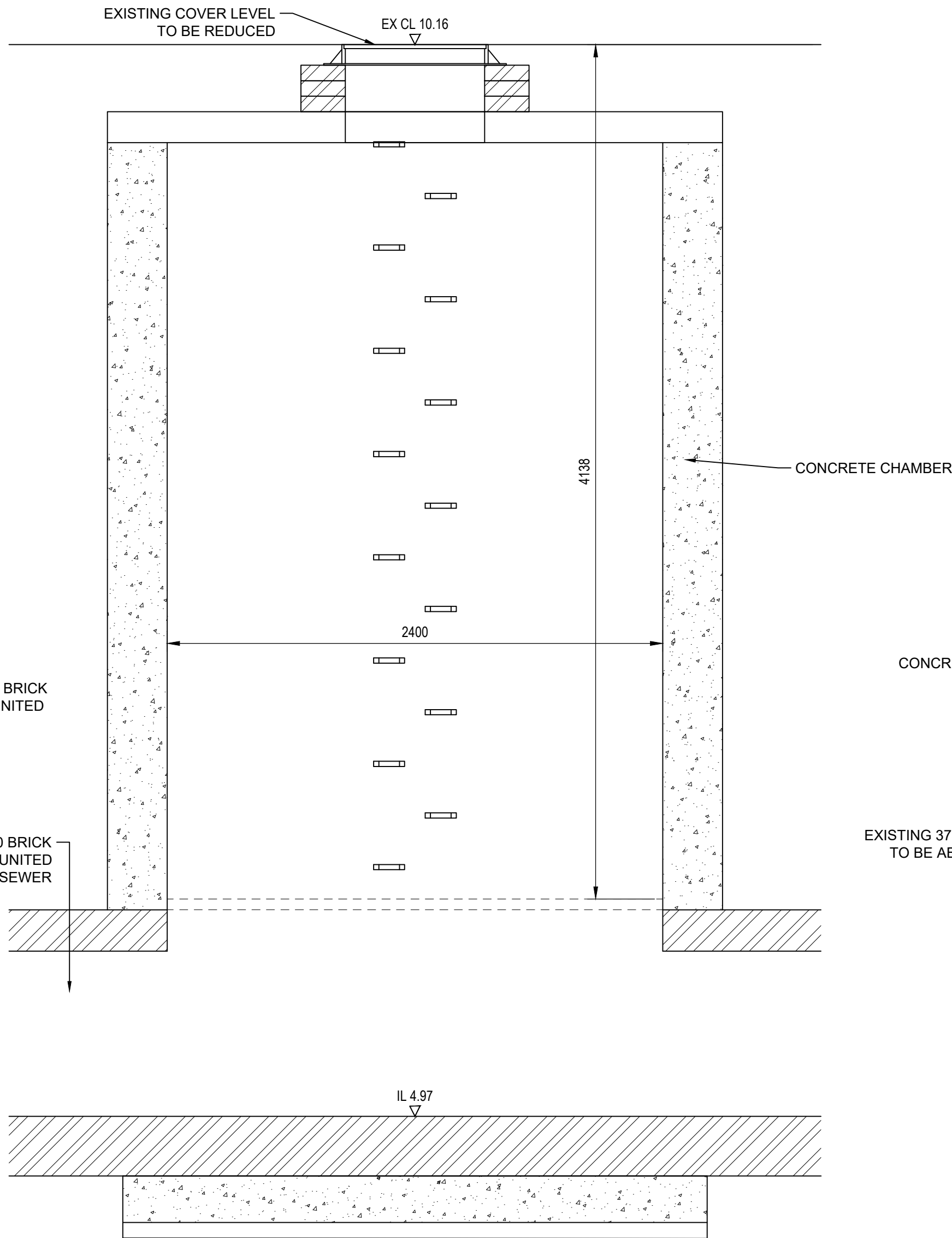
Hydrock

tel : 0191 230 2993
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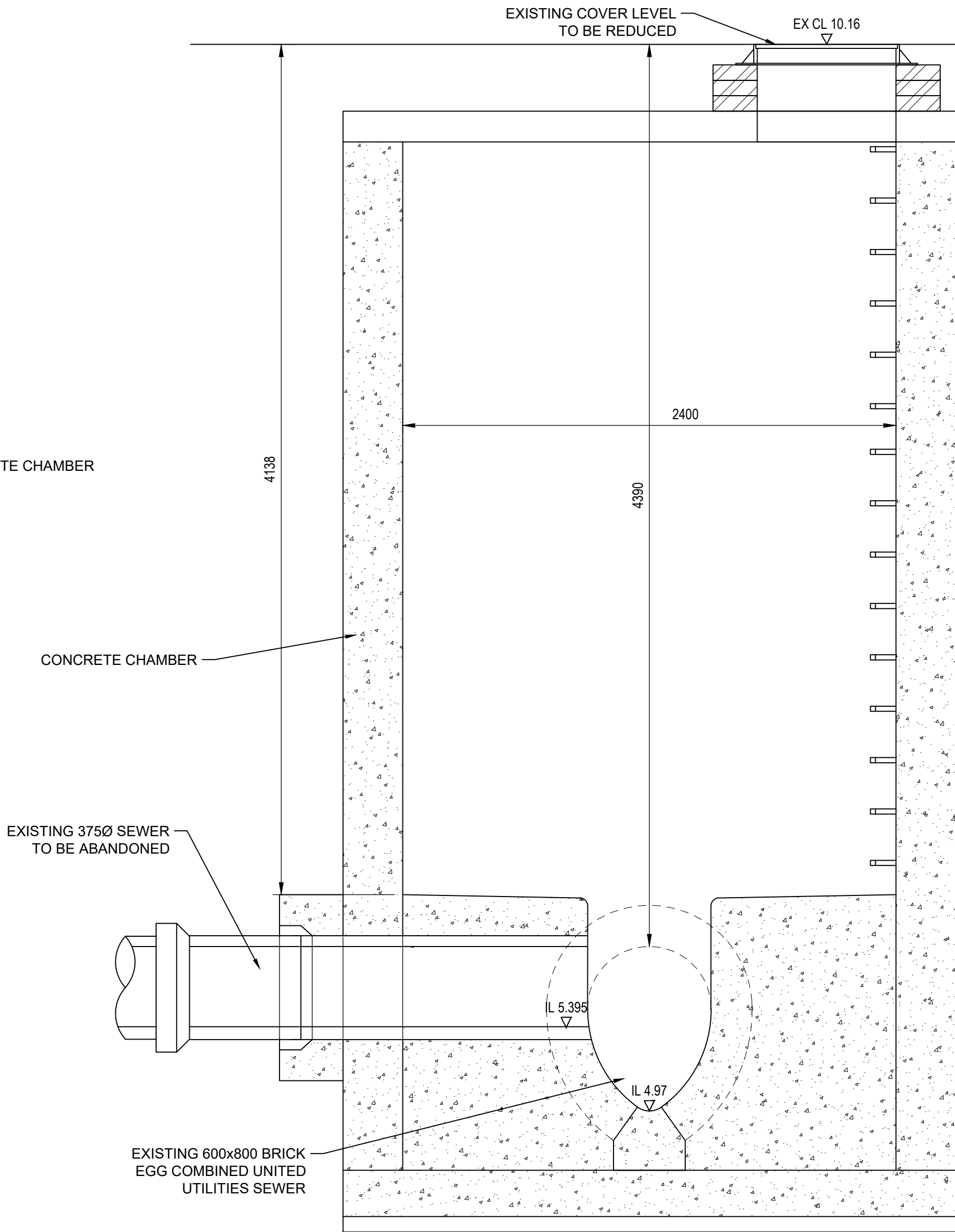
- HEALTH & SAFETY**
- CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.
 - CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE
 - THE TIME THAT EXCAVATIONS ARE OPEN ON SITE SHOULD BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SURROUNDED BY A BARRIER.
 - CONNECTIONS TO EXISTING SEWERS TO BE MADE BY SW APPROVED CONTRACTOR ONLY.
 - 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.
 - UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIER.
 - PIPES & CABLES**
 - 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**
 - CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS.
 - CONTRACTOR TO ENSURE THAT PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHERE NECESSARY.
 - CONTRACTOR TO REFER TO GROUND INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.



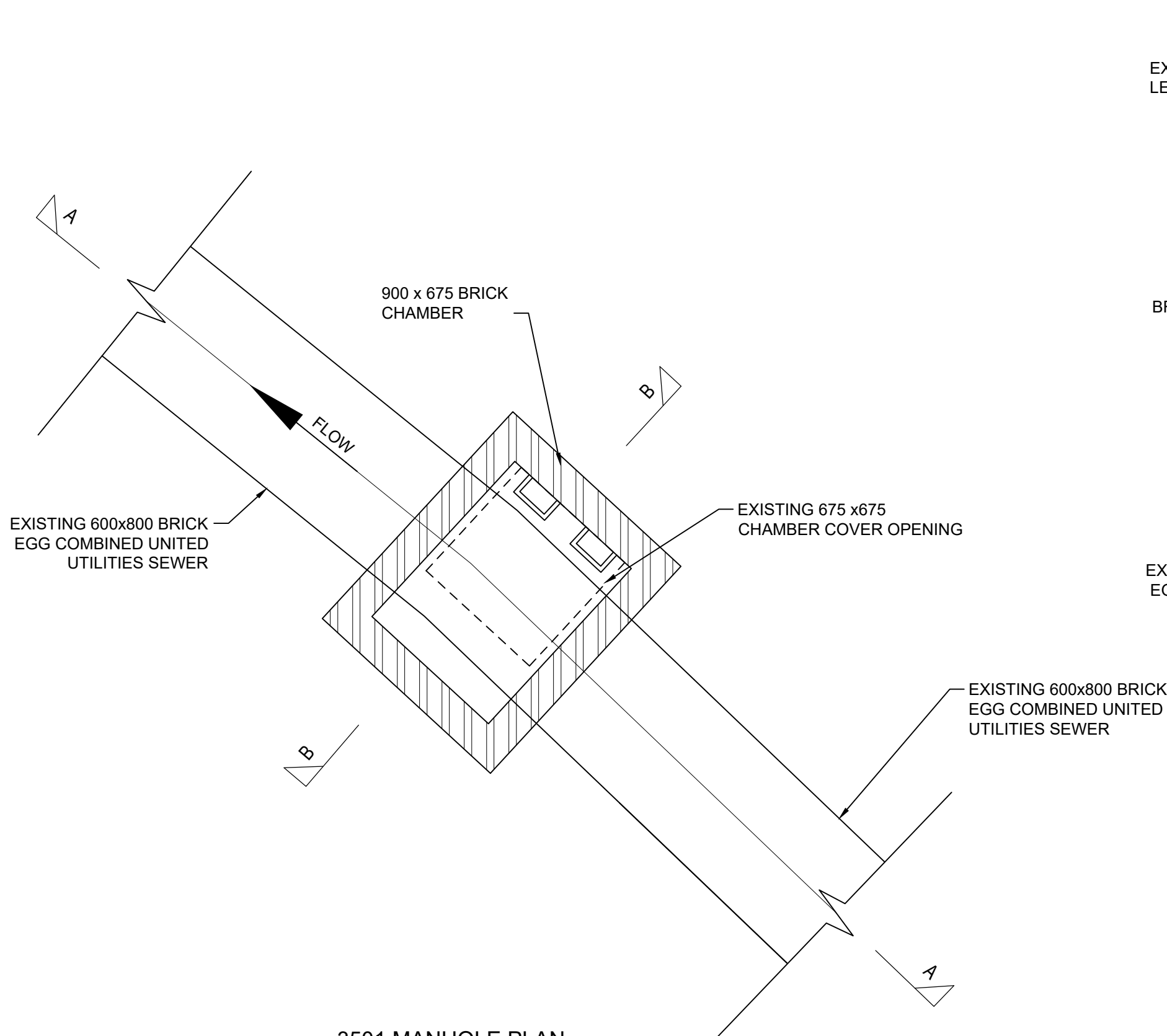
3406 MANHOLE PLAN



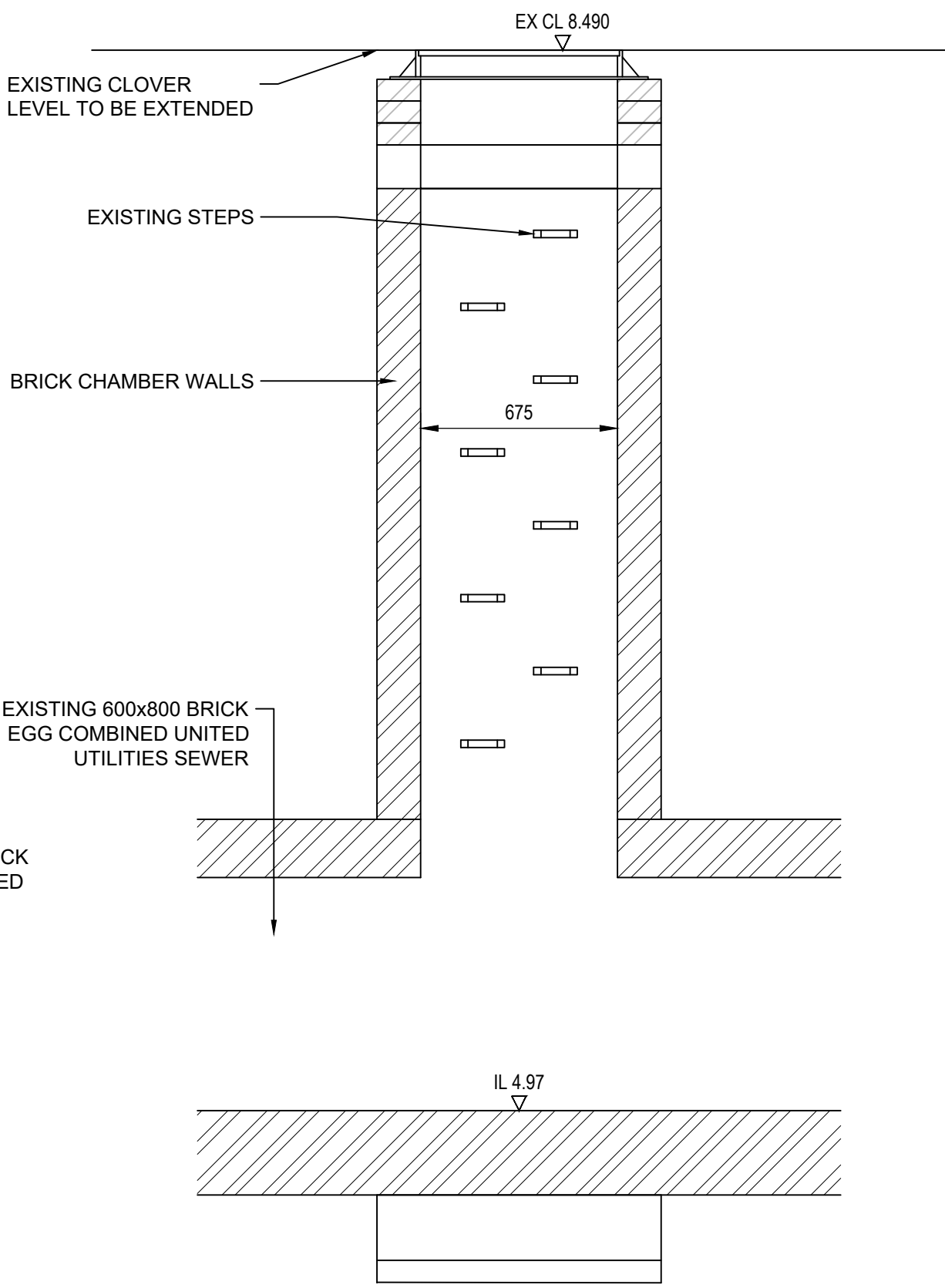
3406 MANHOLE SECTION A-A



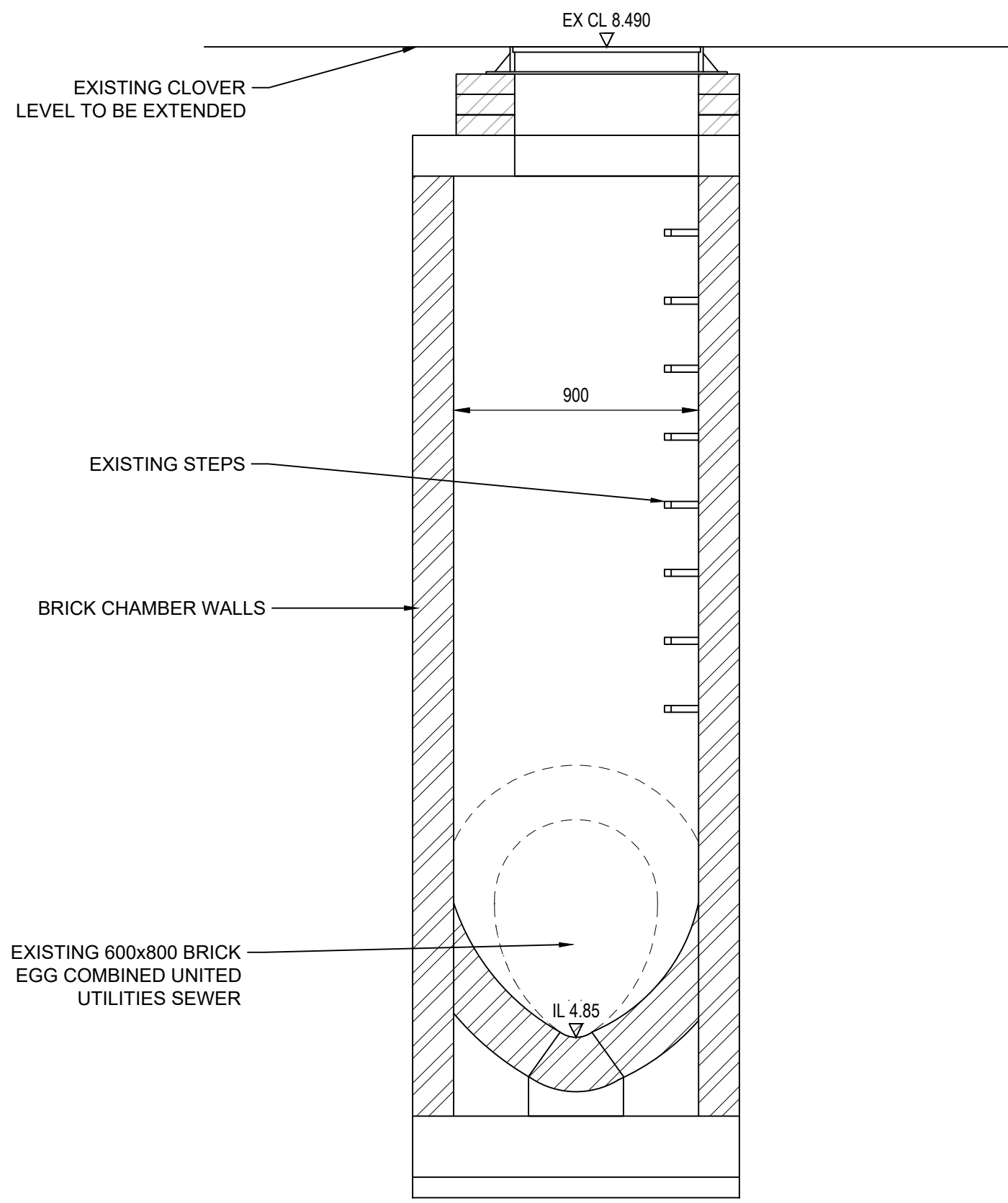
3406 MANHOLE SECTION B-B



3501 MANHOLE PLAN



3501 MANHOLE SECTION A-A



3501 MANHOLE SECTION B-B

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