



NOTES

- FOUL PUMPING STATIONS AND ASSOCIATED PIPE WORK BY OTHERS.
- THE CONTRACTOR SHALL ALLOW FOR KEEPING SEWER TRENCHES AND EXCAVATIONS AS DRY AS REASONABLY PRACTICAL BY PUMPING FROM TEMPORARY SUMPS AND DEMARKING AS APPROPRIATE. THE POINT AND METHOD OF DISCHARGE TO BE AGREED WITH THE DRAINAGE AUTHORITY.
- INSITU AND PRECAST CONCRETE UNITS SHALL HAVE SULPHATE RESISTING PRODUCTS SHALL COMPLY WITH THE RELEVANT PROVISIONS BS5911 AND BE KITEMARKED.
- THEMOPLASTIC STRUCTURED WALL SEWER PIPE SHALL COMPLY WITH THE RELEVANT PROVISIONS OF THE WS 4-35-01. PIPES SHALL BE BS1 KITEMARKED OR HAVE EQUIVALENT THIRD PARTY CERTIFICATION.
- TRANSPORTATION, HANDLING, STORAGE AND LAYING TO BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MANHOLE COVERS AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN124. LOAD CLASS D400 IN VEHICULAR TRAFFICKED AREAS AND LOAD CLASS B125 IN FOOTWAYS AND PEDESTRIAN AREAS.
- CLASS Z BEDDING DETAIL SHALL BE PROVIDED WHERE COVER TO THE PIPE BARREL IS LESS THAN 1.5m IN VEHICULAR TRAFFICKED AREAS AND 0.9m ELSEWHERE.
- SELECTED BACKFILL MATERIAL SHALL CONSIST OF UNIFORM MATERIAL FREE FROM STONES LARGER THAN 40mm, CLAY LUMPS LARGER THAN 75mm, TREE ROOTS, ORGANIC MATTER AND FROZEN SOIL. SELECTED BACKFILL MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 225mm EACH LAYER COMPACTED TO FORM A STABLE TRENCH BACKFILL.
- GENERAL BACKFILL MATERIAL TO BE FREE FROM STONES LARGER THAN 40mm. GENERAL BACKFILL MATERIAL IS TO BE PLACED IN LAYERS NOT EXCEEDING 150mm THICKNESS AND EACH LAYER COMPACTED BY HAND. NO MECHANICAL COMPACTION OF FILL MATERIAL SHALL BE PERMITTED WITHIN 300mm ABOVE THE CROWN/BARREL OF THE PIPE.
- BACKFILLING AND REINSTATEMENT TO TRENCHES IN PUBLIC HIGHWAYS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ADOPTING HIGHWAY AUTHORITY.
- CONTRACTOR TO TAKE MEASURES TO PROTECT THEIR OPERATIVES WITH RESPECT TO THE PRESENCE OF GAS IN SEWER TRENCHES AND MANHOLES THROUGH THE USE OF GAS MONITORING EQUIPMENT AND BREATHING APPARATUS AS REQUIRED.

LEGEND

- CL – COVER LEVEL
IL – INVERT LEVEL
IC – INSPECTION CHAMBER
MH – MAN HOLE

REFERENCE DRGS

- 004-001 – ROAD SETTING OUT
004-002 – KERB LAYOUT
004-003 – ROAD SECTIONS AND DETAILS
004-004 – FOUL DRAINAGE LAYOUT
004-005 – UTILITY LAYOUT

D	04/03/19	LOCATION OF TIE-IN MH'S UPDATED	AMK	JMK	AMK
C	02/05/18	INVERT INFORMATION ADDED	AMK	JMK	AMK
B	01/05/18	SITE LAYOUT UPDATED	AMK	JMK	AMK
A	30/04/18	ISSUED FOR PLANNING	AMK	JMK	AMK
Issue	Date	Description	By	Chkd	Appld

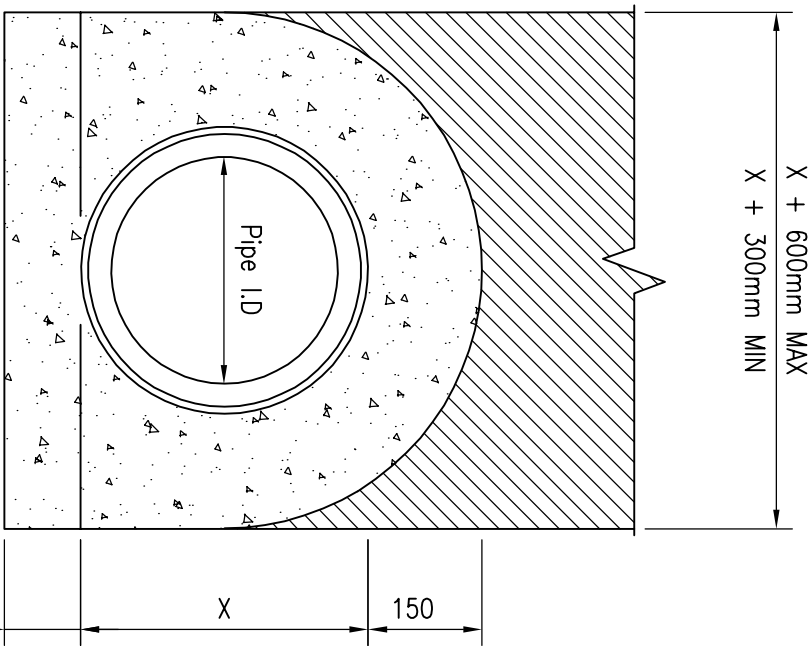
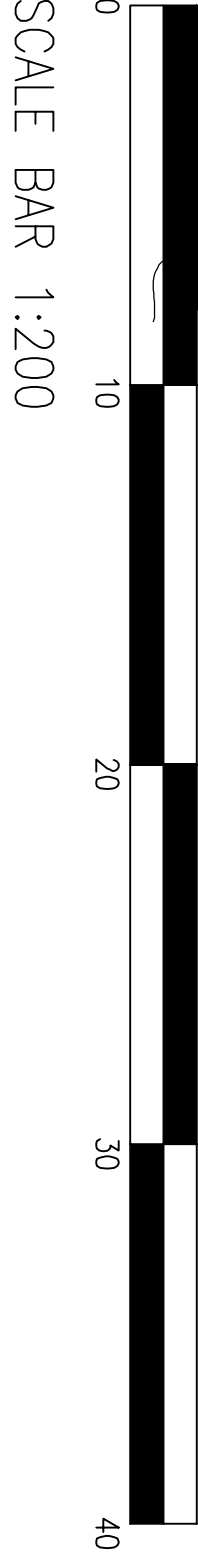


Project
The Loudon Development
West Lakes Hotel
Gosforth
CA20 1HP

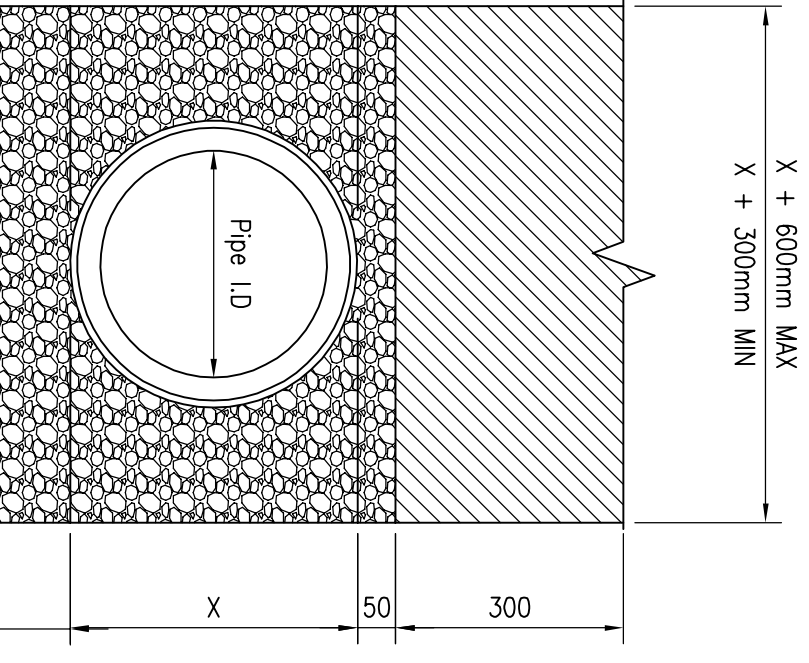
Client
Mr & Mrs G Armstrong

Title
FOUL DRAINAGE LAYOUT

Scale @ A1	Drawn By	Dwg No.	Dwg Status	Rev.
1:200	AMK	004-004	C	D



TYPE Z INSTALLATION



TYPE S INSTALLATION

- CLASS 8 MATERIAL TO S.H.W
 - CONCRETE TO S.H.W CLAUSE 503.3 (V)
 - CONCRETE TO S.H.W CLAUSE 503.3 (II)
 - GRAVULAR MATERIAL TO S.H.W CLAUSE 503.3 (I)
 - MATERIAL TO S.H.W CLAUSE 503.3 (I)
- TYPE S IS THE PREFERRED GRAVULAR BED AND SURROUND DETAIL
• TYPE Z IS RECOMMENDED WHERE DEPTHS OF COVER ARE LESS THAN 1.2m. JOINT FILLER BOARD SHALL EXTEND THROUGH THE FILL THICKNESS OF THE CONCRETE INTO THE PIPE. THESE SHOULD BE PLACED AT EACH JOINT.
• X = EXTERNAL PIPE DIAMETER

PIPE EMBEDMENT DETAILS

SCALE 1:10

