

FOUL AND SURFACE WATER DRAINAGE TO CONNECT INTO EXISTING MANHOLE CHAMBERS THAT SERVE THE SITE, SUBJECT TO A SECTION 106 AGREEMENT WITH SEVERN TRENT WATER.

S1 IS THE FLOW CONTROL MANHOLE. FLOW CONTROL VIA ORIFICE PLATE 50mm DIAMETER. MAXIMUM PASS FORWARD FLOW =5.0 litres/sec FOR THE 1 IN 100 YEAR STORM EVENT +40% ALLOWANCE FOR CLIMATE CHANGE

PROPOSED SURFACE WATER ATTENUATION TANK. TANK TO BE 6m x 4m x 1.0 m DEEP. TANK TO BE CELLULAR CRATE SYSTEM, STORM CELL OR SIMILAR. TOTAL VOLUME OF WATER STORED= 23 cumetres FOR THE 1 IN 100 YEAR STORM EVENT +40% CLIMATE CHANGE.

EXISTING FOUL AND SURFACE WATER DRAINAGE MANHOLES AND PIPES TO BE PRESSURE CLEANED THROUGH AND CCTV SURVEYED DOWN TO MAIN SEWER.

KEY

- PROPOSED FINISHED LEVEL
- PROPOSED LOGROLL RETAINING WALL
- PROPOSED SURFACE WATER DOMESTIC DRAIN RUN
- PROPOSED FOUL WATER DOMESTIC DRAIN RUN
- PROPOSED SURFACE WATER FLOW CONTROL CHAMBER WITH INVERT LEVEL AND MANHOLE REFERENCE NUMBER
- PROPOSED FUL DOMESTIC DRAIN RUN
- PROPOSED FUL DOMESTIC PUL PROPYLENE INSPECTION CHAMBER WITH INVERT LEVEL
- PROPOSED SW DOMESTIC PUL PROPYLENE INSPECTION CHAMBER WITH INVERT LEVEL
- PROPOSED ADOPTABLE ROAD GULLY
- PROPOSED DOMESTIC RIDDING EVE
- PROPOSED LINEAR CHANNEL DRAIN
- PROPOSED PRIVATE CELLULAR ATTENUATION TANK

- NOTES:
- ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.
 - ALL DRAINAGE WORKS ARE TO COMPLY WITH THE REQUIREMENTS OF BS 752 BUILDING DRAINAGE AND BUILDING REGULATIONS 2000 APPROVED DOCUMENT H 2002 EDITION.
 - ALL MATERIALS, UNLESS SPECIFIED OTHERWISE, SHALL COMPLY WITH THE RELEVANT BRITISH STANDARD. SOURCES SHALL BE VERIFIED BY THE DESIGNER'S REPRESENTATIVE ENGINEER IN ADVANCE OF THE WORKS.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND DETAILS AND CONTRACT DOCUMENTATION
 - ANY DISCREPANCIES IN THE DETAILS SHOWN TO BE RECONCILED BY THE DESIGNER'S REPRESENTATIVE ENGINEER PRIOR TO CONSTRUCTION.
 - LOCATION AND LEVELS OF EXISTING DRAINAGE RUNS ARE BASED UPON SEWER RECORD PLANS AND MUST BE CHECKED PRIOR TO CONSTRUCTION.
 - ALL EXISTING SERVICES TO BE LOCATED PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS WHERE UNDERGROUNDED SERVICES ARE KNOWN TO EXIST.
 - ALL DRAINAGE AND FITTINGS TO BE FLEXIBLY JOINTED OR FLEXIBLY JOINTED UPVC PIPES AND FITTINGS TO VHS NO 4-13-35.
 - TYPICAL PIPE BEDDING TO DRAINAGE WHERE DEPTH TO SPOFFIT IS GREATER THAN 900mm IN LANDSCAPED AREAS AND GREATER THAN 1200mm IN TRAFFICKED AREAS IS TO BE CLASS 3 SURROUND FOR PIPES UP TO 5250 AND 20 - 40mm GRADED IMPORTED GRANULAR BED AND SURROUND FOR PIPES GREATER THAN 5250
 - WHERE DEPTH TO SPOFFIT OF DRAINAGE PREWORK IS LESS THAN 1200mm IN TRAFFICKED AREAS IS TO BE PROTECTED WITH 150mm MINIMUM THICK CONCRETE BED & SURROUND.
 - BACKFILL TO DRAINAGE TRENCHES UNDER CARRIAGEWAYS TO BE TYPE 1 SUB-BASE MATERIAL, ELSEWHERE BACKFILL TO BE TYPE 1 SUB-BASE MATERIAL, FROZEN SOIL, CLAY LUMPS AND LARGE STONES, TO BE COMPACTED IN LAYERS NOT EXCEEDING 150mm THICK.
 - ALL DRAINAGE WORKS SHOULD BE IN ACCORDANCE WITH THE TABLE BELOW:
 - DIAMETER OF LARGEST PIPE IN MANHOLE (mm) INTERNAL DIAMETER OF MANHOLE (mm)
 - LESS THAN 375 1200
 - 375-450 1500
 - 500-750 1500
 - 750-900 1800
 - 950-1200 2100

13. A FLEXIBLE JOINT SHALL BE PROVIDED AS CLOSE AS IS FEASIBLE TO OUTSIDE FACE OF ANY STRUCTURE INTO WHICH A PIPE IS BUILT. COMPATIBLE WITH THE SATISFACTORY COMPLETION AND SUBSEQUENT MOVEMENT OF THE JOINT. THE LENGTH OF THE JOINT SHALL BE AS SHOWN IN THE TABLE BELOW.
- | NOMINAL DIAMETER (mm) | EFFECTIVE LENGTH (m) |
|-----------------------|----------------------|
| 150-400 | 0.6 |
| 475-750 | 1.0 |
| 825 AND OVER | 1.25 |
14. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM.

Dropped kerb & tactile paving

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PROPOSED LEVELS / DRAINAGE PLAN

Contract
RESIDENTIAL DEVELOPMENTS
THE CROWN INN
MOBBERLEY

Client/Architect
A J DEVELOPMENTS

Issue
PRELIMINARY

Rev	Description	Chk'd/Iss'd	Date
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A REVISED ARCHITECT'S LAYOUT 09/17/2018 ADDED DRAINAGE AMENDED ACCORDINGLY + SOME LEVELS

09/04/18

Date 02 JAN 2018
Original size A1
Drawn GS
Checked Approved

Drawing No K678-101
Revision A