

Sectional Plan

Client/Architect
J.C.M. ESTATES

PRELIMINARY

Description

Chk'd/App'd

Date

ST JOHNS SCHOOL, MILL LANE

WETLEY ROCKS, STAFFS MOORLANDS

FLOW CONTROL CHAMBER

HYDRO-BRAKE

Contract
RESIDENTIAL DEVELOPMENT

K569-107

Original size A1 Drawn GB

Date

18-06-15

Scale

KEYTECH
DEVELOPMENT
DESIGN LTD

V

225 R.C. wall tied into MH walls or 225 English bond brickwork & shown to be structurally adequate

Benching slope to be in the range 1 in 10 to 1 in 30

150-800
150-800
150-800
10
10
10
10
10
10
125
13. ALL STEP IRONS TO BE STAINLESS STEEL (GRADE 316 S31 BS 5970) OR POLYPROPYLENE ENCAPSULATED TO BS 1247 PARTS 1-2, DOUBLE STEP RUNGS (280mm MIN WIDTH AT 250mm MAXIMUM CENTRES). MAXIMUM DISTANCE FROM COVER LEVEL TO FIRST STEP TO BE 675mm.
14. MANHOLE COVERS TO BE 675x675
CLEAR OPENING FOR PIPES LESS THAN 875mm DIA. AND 675x675 CLEAR OPENING FOR PIPES NOTED OTHERWISE ALL DRAIN RUNS ARE 100mm DIA UNLESS NOTED OTHERWISE

Penstock valve with non-rising spindle. 150mm orifice to be cut through weir wall.(Supplied with propriety operating 'T' key)

NOTES:

1. 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.

ANY DISCREPANCIES IN THE DETAILS SHOWN TO BE REPORTED TO THE EMPLOYER'S REPRESENTATIVE/ENGINEER PRIOR TO CONSTRUCTION.

LOCATION AND LEVELS OF EXISTING DRAINAGE RUNS ARE BASED UPON SEWER RECORD PLANS AND MUST BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS.

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND DETAILS AND CONTRACT DOCUMENTATION

ALL MATERIALS, UNLESS SPECIFIED OTHERWISE, SHALL COMPLY WITH THE RELEVANT BRITISH STANDARD. SOURCES OF MATERIALS ARE TO BE AGREED WITH THE EMPLOYER'S REPRESENTATIVE/ENGINEER IN ADVANCE OF THE WORKS.

D

Class D400 manhole cover and frame with 675 X 675 sq clear opening bedded on mortar, to BS EN124

First joint to be as close as possible to outside of chamber

9. TYPICAL PIPE BEDDING TO DRAINAGE WHERE DEPTH TO SOFFIT IS GREATER THAN 600mm IN LANDSCAPED AREAS AND GREATER THAN 900mm IN TRAFFICKED AREAS IS TO BE CLASS S (I.E. 10-14mm GRADED IMPORTED GRANULAR BED AND SURROUND FOR PIPES UP TO 525Ø AND 20 - 40mm GRADED IMPORTED GRANULAR BED AND SURROUND FOR PIPES GREATER THAN 525Ø)

10. WHERE DEPTH TO SOFFIT OF DRAINAGE PIPEWORK IS LESS THAN 600mm IN LANDSCAPED AREAS AND LESS THAN 900mm IN TRAFFICKED AREAS THEN PIPEWORK IS TO BE PROTECTED WITH 150mm MINIMUM THICK CONCRETE BED & SURROUND.

ALL DRAINAGE AND FITTINGS TO BE FLEXIBLY JOINTED CLAYWARE TO BS EN295 OR CONCRETE TO BS5911 PART 100 OR FLEXIBLY JOINTED UPVC PIPES AND FITTINGS TO WIS No 4-13-05.

ALL EXISTING SERVICES TO BE LOCATED PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS WHERE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORKS.

225mm diam VC pipeline to proposed manhole F2

11. BACKFILL TO DRAINAGE TRENCHES UNDER CARRIAGEWAYS
TO BE TYPE 1 SUB-BASE MATERIAL, ELSEWHERE BACKFILL TO
BE FREE DRAINING READILY COMPATIBLE MATERIAL, FREE
FROM RUBBISH AND ORGANIC MATTER, FROZEN SOIL CLAY
LUMPS AND LARGE STONES. TO BE COMPACTED IN LAYERS

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 NEXT PIPE (ROCKER PIPE) AWAY FROM THE STRUCTURE SHALL BE AS SHOWN IN THE TABLE BELOW.