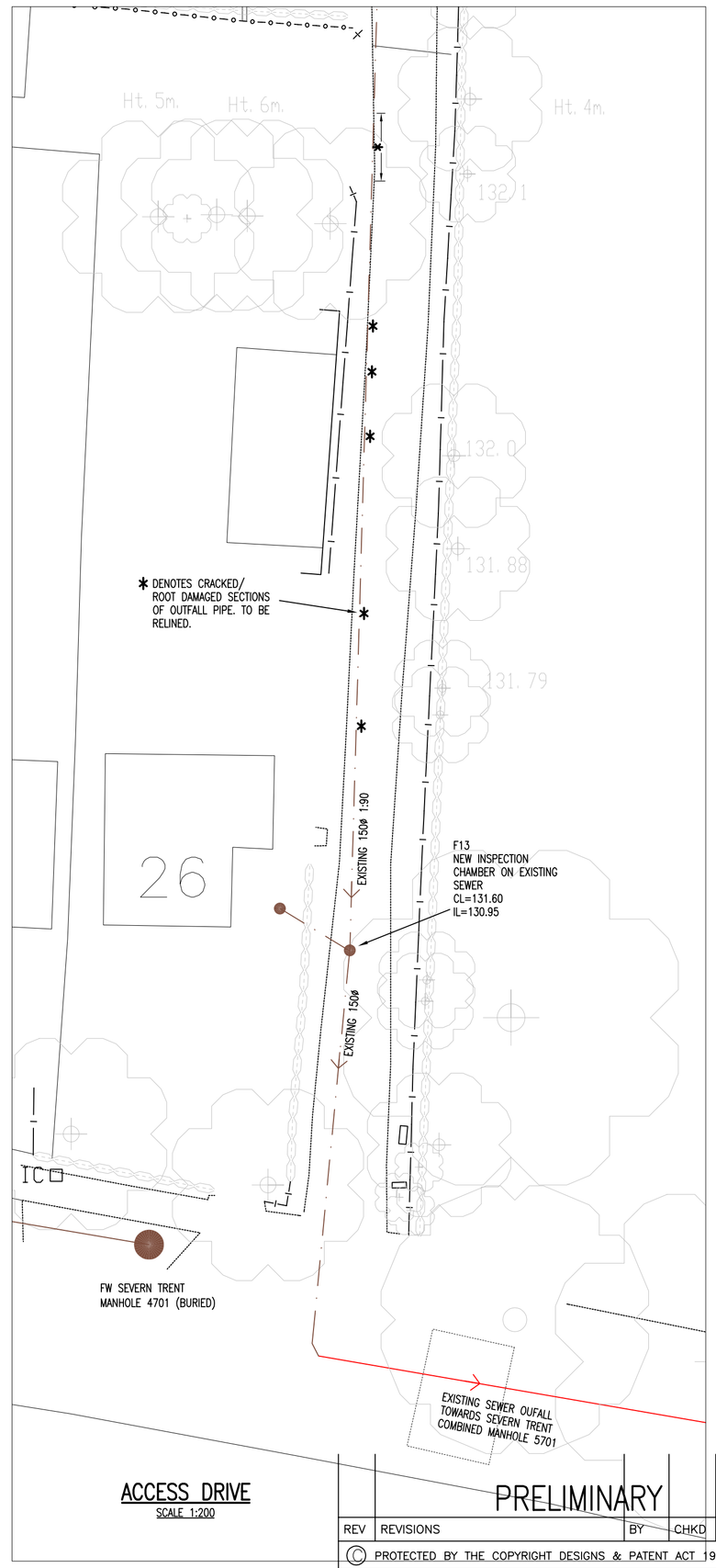



GENERAL ARRANGEMENT OF DRAINAGE
SCALE 1:100




ACCESS DRIVE
SCALE 1:200

## General Drainage Notes

1. This drawing is to be read in conjunction with all relevant Architects drawings.

this drawing is based on BNA layout 909-130

2. Pipework lengths to be as follows:-
A) Drainage shown as a plastic system will be acceptable. Provided it is in accordance with Building Regulations 2002, Approved document 'H' together with B.S.EN.752.
B) Bedding to drains to be class 'B' 100mm minimum granular bed and haunch. Concrete protection to be provided to UPVC pipes where the cover is less than 600mm. Where trench formation lies above original ground level, levels shall be made up using well compacted layers of 6F2 granular material.
C) Drainage trenches within 1.0m of load bearing walls are to be filled with concrete up to the underside of the adjacent footings. Note:- Where the drain trench is more than 1.0m from the wall, the concrete fill should be to a level below the underside of the foundation equal to the distance from the walls less 150mm.
D) All drains to be laid soffit to soffit, flexible joints (and pre-cast concrete lintels over) to be provided both sides where drainage passes through walls.
E) All inspection chambers to be in accordance with standard details. Chamber type/depths as follows:-
Up to 900mm deep - polypropylene inspection chamber
Greater than 900mm deep - 1200dia. PCC chamber rings or 1200x750.
F) All gullies and RWP's connecting into the drainage system are to be provided with Sealed Traps.

NOTE:

LOCATION OF SVP'S AND PROPOSED CONNECTIONS TO DRAINAGE SYSTEM TO BE CONFIRMED.

EXISTING SURFACE WATER AND FOUL CONNECIONS TO NEIGHBOURING PROPERTIES TO BE MAINTAINED.

ANY REDUNDANT DRAINAGE TO BE REMOVED OR SEALED.

RISK FROM DEEP EXCAVATIONS FOR INSTALLATION OF DRAINAGE AND SEWERS CANNOT BE ELIMINATED. THE CONTRACTOR TO CARRY OUT A RISK ASSESSMENT AND IMPLEMENT MEASURES AND PROCEDURES TO ADDRESS THE RISK POSED BY THE WORKS. ADEQUATE SIDE SUPPORT TO EXCAVATIONS MUST BE PROVIDED.

REFER TO GROUND INVESTIGATION REPORT AND ARJ ASSOCIATES DRAWINGS.

THE CONTRACTOR TO APPLY FOR ALL NECESSARY ROAD CLOSURE, ROAD OPENING AND SEWER CONNECTION NOTICES AND ALLOW FOR THE REQUIRED PERIOD IN THEIR PROGRAM.

## Pumped Drainage Notes

1. General - All Civil , Mechanical, Electrical works and installations to comply with requirements of BS.EN.752. The size, construction details and venting of the pumping chamber to be designed by specialist pumping sewerage installer to suit flows, pump(s) details and start stop arrangement.

2. Alarm - Provide Visual Audible alarm at position to be agreed by Rellum Estates. Allow for telemetry signal of pump(s) failure to maintanance contractor. Allow maintanance contract for maximum 2 hour attendance on site from alarm on duty pump. Confirm with Rellum Estates.

PUMP CHAMBER F5 :
3. Flow - Pump and rising main to be designed to discharge maximum flows below:
Foul 3.5l/s.
Pump set to be arranged in duty standby with alternating duty.

4. Lift (Head) - Arrangement of drainage is shown on the drawing.
Approximate Lift (Head) 2m (To be verified by site measure)
Approximate Length rising main approx 40m (To be verified by site measure)

## KEY

- FOUL DRAINAGE
- RE — RODDING EYE
- SURFACE WATER DRAINAGE
- COMBINED DRAINAGE
- G — GULLY
- X 132.15 — PROPOSED LEVEL
- PROPOSED GRADIENT
- PUMPED FOUL DRAINAGE
- SOAKAWAY

PRELIMINARY

| REV | REVISIONS | BY | CHKD | DATE |
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CLIENT
RELLUM ESTATES LLP

PROJECT
BARTON ROAD
BARLESTONE

TITLE
GENERAL ARRANGEMENT OF DRAINAGE

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