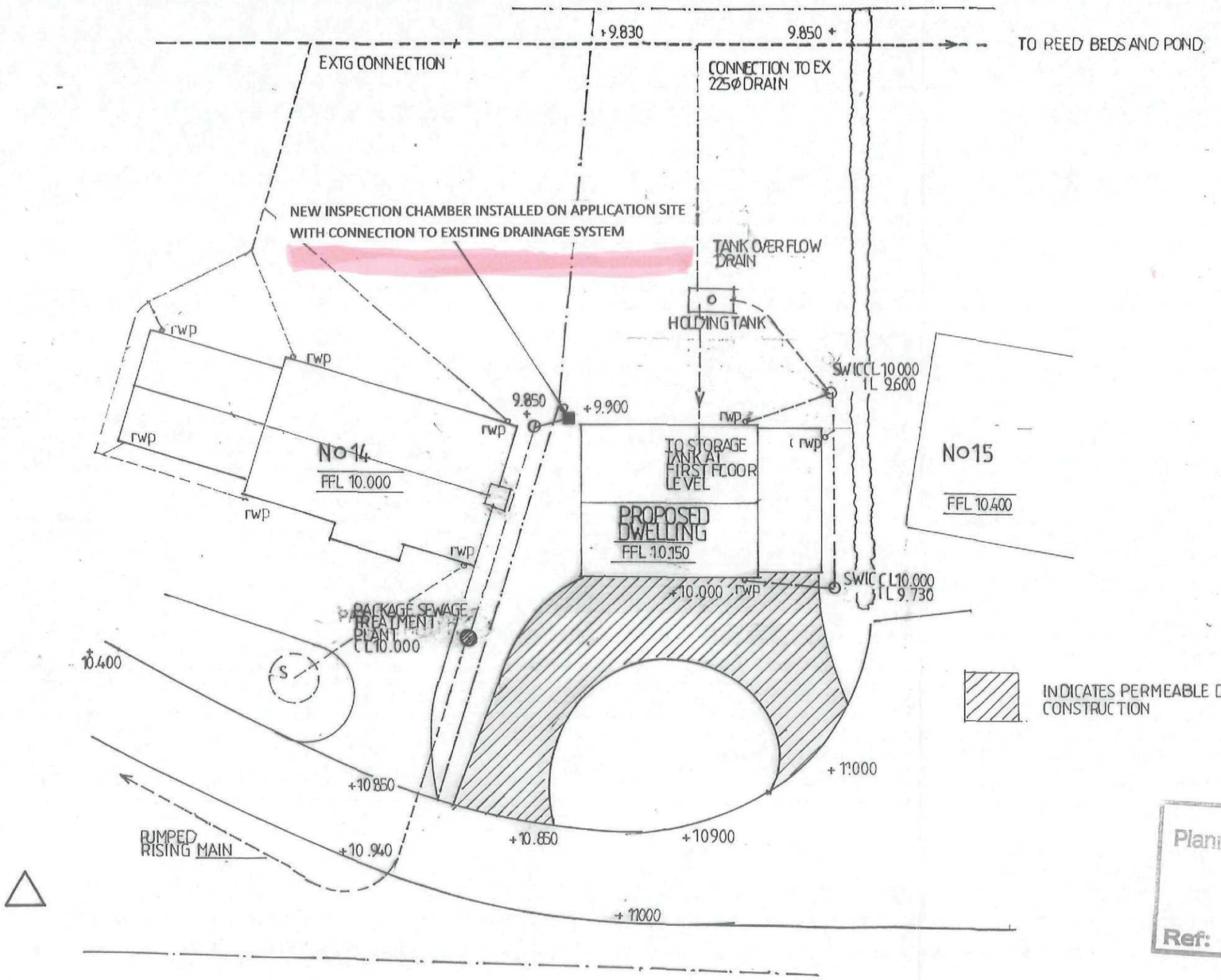



INDICATES PERMEABLE DRIVEWAY CONSTRUCTION

SURFACE WATER DRAINAGE

GENERAL

- Generally pipes and fittings and bedding for drains serving dwelling rainwater pipes, all as specified under foul drainage.
- Surface water drains take around building and connected to main holding tank located at the rear of the dwelling as shown on the drawing. ( Rainwater Harvesting System )
- All rainwater downpipes to discharge into trapped yard type gullies with removable silt containers to reduce water filtering requirements installed under the harvesting system.

RAINWATER HARVESTING SYSTEM

- Compliance for the collection, filtering, storage and use of rainwater in accordance with BS 8515 : 2009.
- Design, installation quality of water maintenance and risk management of Rainwater Harvesting System in accordance with the standards set out in BS 8515 : 2009.
- System design by Kingspan Environmental. System to be gravity ( non-pressurised ) using rainwater collected into a main holding tank to an elevated header/break tank. Connected appliances supplied from the header tank in a gravity-fed system.
- Holding Tank. KingspanWater polythene underground storage tank suitable for roof area of ( 150 m2 ) Actual roof area : 126 m2. Tank size 1800 mm dia x 2400 mm long and complete with self-cleaning filters, submersible pump with floating filter, control/display panel, tundish, solenoid valve and depth sensor.
- Tank installation strictly in accordance with KingspanWater instructions and recommendations.
- Tank overflow facility fitted to storage tank and cisterns to allow the drainage of excess water during periods of heavy rainfall. Flow capacity of the overflow outlet pipe to be greater than the capacity of the inlet pipe. Overflow from the main tank to allow removal of build-up of floating sediment and maintain good quality water.
- Overflow taken to soakaway located in position shown. Soakaway calculations and site investigation to be carried out by specialist in accordance with BRE Digest 365 to determine capacity and/or attenuation as required. Test results and calculations to be submitted to South Holland District Council Building Control for approval.

B EXISTING DRAINAGE ADDED 06/07/2011
A . DRAINAGE AMENDMENTS 23.03.2011

SHDC
Planning & Development
08 JUN 2011
Ref: 0431-11

# SITE LAYOUT

## SHOWING SUFACE WATER PROPOSALS

David Holman
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**CLIENT**
MR and MRS K BROWN

**SCALE**
1 : 200

**PROJECT**
PROPOSED DWELLING
WREN CLOSE
DEEPING ST NICHOLAS
SPALDING

**DRAWING No**
09710/08

**DATE**
JANUARY 2011

**TITLE**
SITE LAYOUT/DRAINAGE

**REVISION**
~~A~~ B