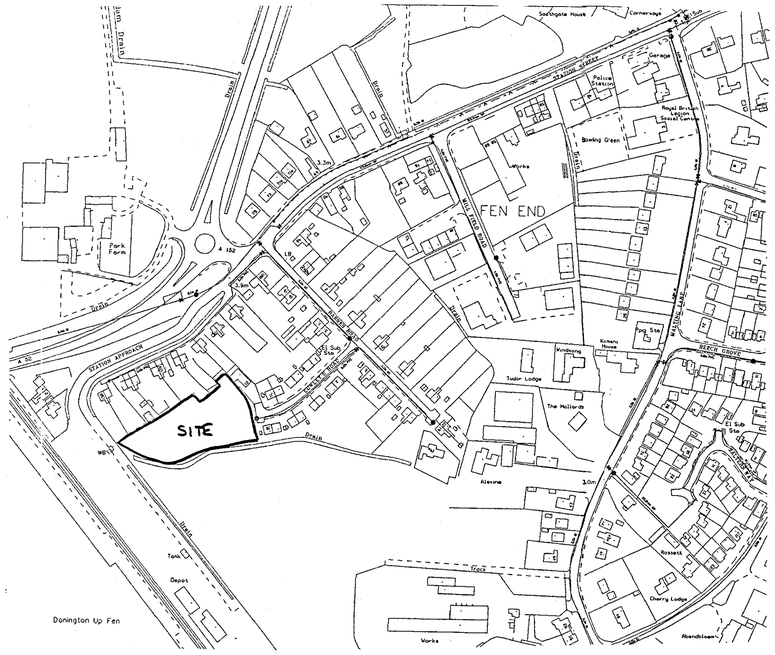


LOCATION PLAN SCALE 1: 2500

ANGLIAN WATER - RECHARGEABLE MAINS
DESIGN RISK ASSESSMENT

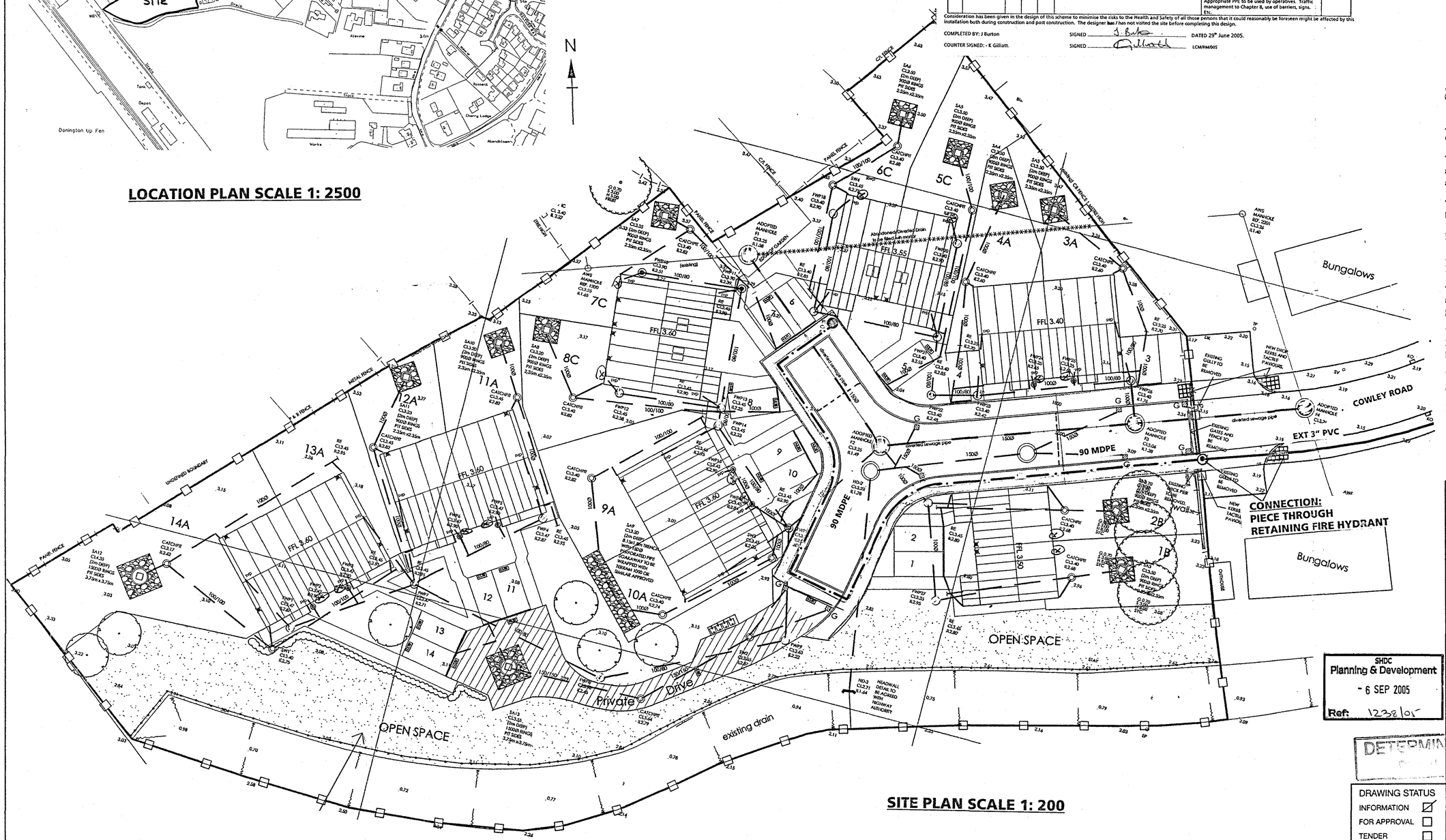
SCHEME: - Cowley Road Donington
DRAWING No: DS/SALTERSFORD/121-W FILE - 1434
Description of work: - Lay 74m x 90mm MDPE water main.

	HAZARD	RISK			REMARKS / COMMENTS	CONTROL MEASURES	RESIDUAL RISKS
		High	Med	Low			
1	Excavation		x		Excavation not to exceed 1.3 m depth.	Safe system of work to be used - As detailed by HSG 185 Health & Safety in excavations - Trench support if required	Low
2	Underground Plant/Services Overhead cables		x		Existing utilities both on and adjacent to the site – as identified by Planning Supervisor.	Safe system of work to include Permit to Dig. All services to be treated as live until proven otherwise - Trial holing and hand digging as appropriate - Work to HSE Guides HSG47, Avoiding Danger from Underground Services and GS6, Avoidance of Danger from overhead electric lines - **Principal Contractor to hold utility information on site and give Site Induction**	Low
3	Ground Conditions (Water levels / Ponds / Rivers /Contamination)		x		No adverse ground conditions identified in Ground Investigation Report submitted by Developer. A large open dyke is situated along the southern boundary. Changes in groundwater levels, which are seasonal and climatic, may also be encountered.	Safe System of work .	Low
4	Road Traffic / Pedestrians		x		Connection in existing footway.	Safe system of work. Traffic management to Chapter 8, use of barriers, signs and lights, etc. Appropriate PPE to be used by operatives.	Low
5	Handling Materials	x			Risk of injury from handling heavy/bulky materials .	Appropriate mechanical handling plant required, together with adequate personnel to safely handle all materials. Manual handling risk assesments where required. Materials to be properly stored	Low
6	Site wide elements		x		Site located at the end of an existing cul-de-sac, as previously stated large open dyke on southern boundary of site .	Care to be taken at all times for the safety of pedestrians and operatives. All adjacent properties affected to be notified of the works. Traffic management to Chapter 8. Appropriate PPE to be used by operatives.	Low
7	Dangerous processes	x			Risk of electrocution and burns from molten plastic during use of fusing equipment. Main to be pressurised during testing procedure	Safe system of work, including correct assembly of joints and exclusion of all personnel from tents during fusion operation. Awareness	Low
8	Dangerous substances	x			Chlorous used in the process of chlorinating the water mains	Safe system of work to be used. Compliance with COSHH regulations. Appropriate PPE to be used by operatives. Safe disposal of chlorinated water necessary.	Low
9	Connection		x		Piece through retaining existing fire hydrant.	Risk Assesments to be carried out and Action Plans prepared, if required.	Low
10	Maintenance		x		Washout to be positioned in footway.	Protection for operatives to be provided. Appropriate PPE to be used by operatives. Traffic management to Chapter 8, use of barriers, signs. Etc.	Low

Consideration has been given in the design of this scheme to minimise the risks to the Health and Safety of all those persons that it could reasonably be foreseen might be affected by this installation both during construction and post construction. The designer has / has not visited the site before completing this design.

COMPLETED BY: J Burton SIGNED ..... DATED 29th June 2005.

COUNTER SIGNED: - K Gilliatt. SIGNED LCM/RAM/005



SITE PLAN SCALE 1: 200

LEGEND

- EXISTING POTABLE WATER MAIN
- MAIN TO BE DECOMMISSIONED
- DECOMMISSIONED WATER MAIN
- PROPOSED POTABLE WATER MAIN

	PIPE RATING	ROAD CROSSING DUCT SIZE (Nominal Bore)
63mm MDPE WATER MAIN –	SDR 11 –	100mm
90mm MDPE WATER MAIN –	SDR 17 –	150mm
125mm MDPE WATER MAIN –	SDR 17 –	200mm
160mm MDPE WATER MAIN –	SDR 17 –	250mm
180mm MDPE WATER MAIN –	SDR 17 –	250mm
225mm MDPE WATER MAIN –	SDR 17 –	300mm
280mm HPPE WATER MAIN –	SDR 21 –	350mm

- BLUE PLASTIC DUCT FOR MAIN (PROVIDED BY DEVELOPER)
- 100mm BLUE PLASTIC DUCT FOR SERVICE PIPES (PROVIDED BY DEVELOPER) - INDICATIVE POSITION SHOWN ONLY

SYMBOLOGY

Air Valve · Double Air Valve · Pressure Reducing Valve · Sluice Valve · Water Meter (Revenue)
Water Meter (Distribution) · Non Return Valve · Washout · Washout Hydrant · Fire Hydrant

NOTES

All works are to conform to the latest relevant British Standards, Codes of Practice and Legislation.

The information shown on this drawing is based on the best available information but the position must be regarded as approximate.

The actual position of all apparatus MUST be established on site before any mechanical plant is used.

No liability whatsoever is accepted for any error or omission.

A Design Risk Assessment has been completed for the Water Mains proposed for this Scheme.

Type 1 Backfill will only be provided in areas of existing highway and proposed areas of adoptable carriageway, unless road duct provided.

Water main to be installed in accordance with the recommended NJUG arrangement 0.690m from the kerb face, and main must be minimum of 1.5m from any building.

Wall boxes must be sited on front or side elevations and remain accessible at all times.

Proposed Service Connections – BOUNDARY BOX

SHDC
Planning & Development
- 6 SEP 2005
Ref: 1238/01

DETERMIN

DRAWING STATUS	
INFORMATION	☒
FOR APPROVAL	☐
TENDER	☐
CONSTRUCTION	☐
RECORD	☐
OTHER	☐

CLIENT/APPLICANT **D BROWN (BUILDING CONTRACTORS) LTD**

REV	DETAILS	BY	DATE	CHK	APP
D					
C					
B					
A					

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anglianwater
DEVELOPER SERVICES
P.O. BOX 495
HUNTINGDON
PE29 6YY

PROJECT TITLE
RECHARGEABLE MAINS - SALTERSFORD

DRAWING TITLE
COWLEY ROAD DONINGTON

OS GRID TF 20202 35274

SURVEYED	DRAWN	DESIGNED
CHECKED	APPROVED	DATE 29/06/05

SCALES:- 1:200 1:2500

DRAWING No:- DS/SALTERSFORD /121-W REV 0

FILE No:- 1434