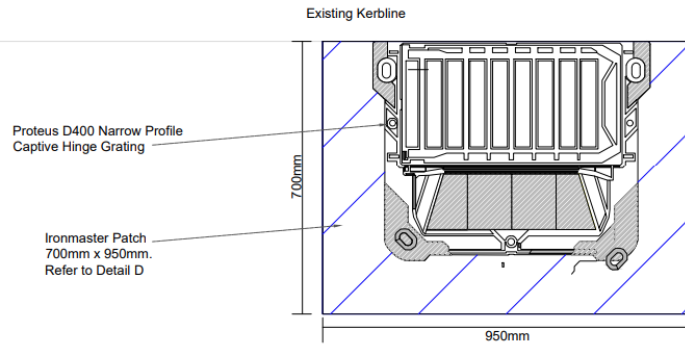
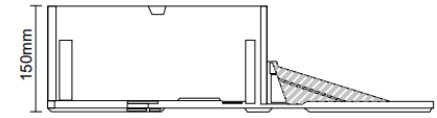


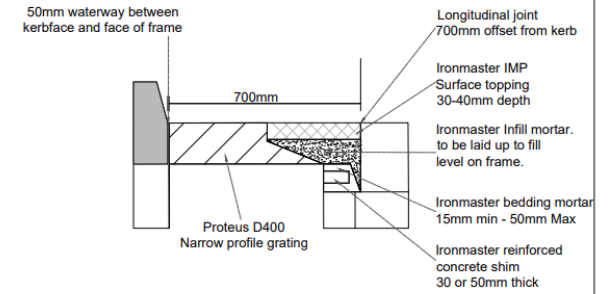
Detail A: Proteus D400 Narrow Profile Captive Hinge Grating



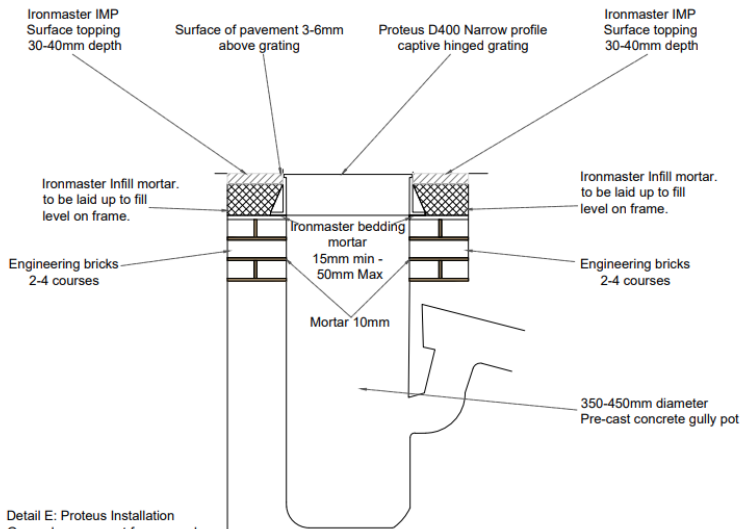
Detail B: Proteus D400 Narrow Profile Grating - Aerial view with Ironmaster patch dimensions



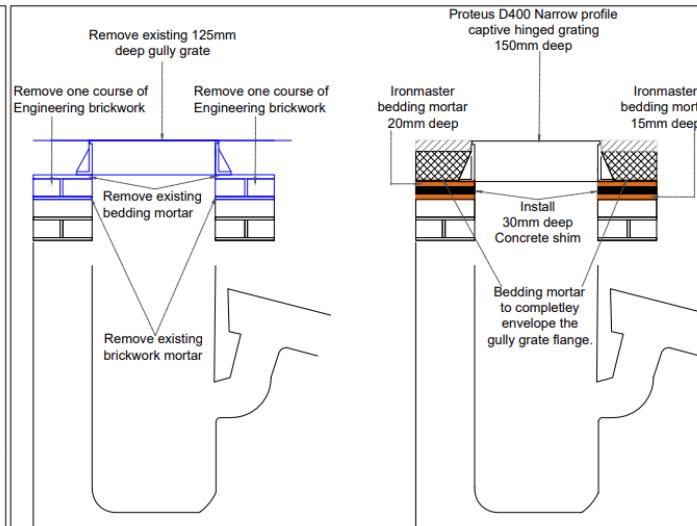
Detail C: Proteus D400 Narrow Profile Grating - Side view



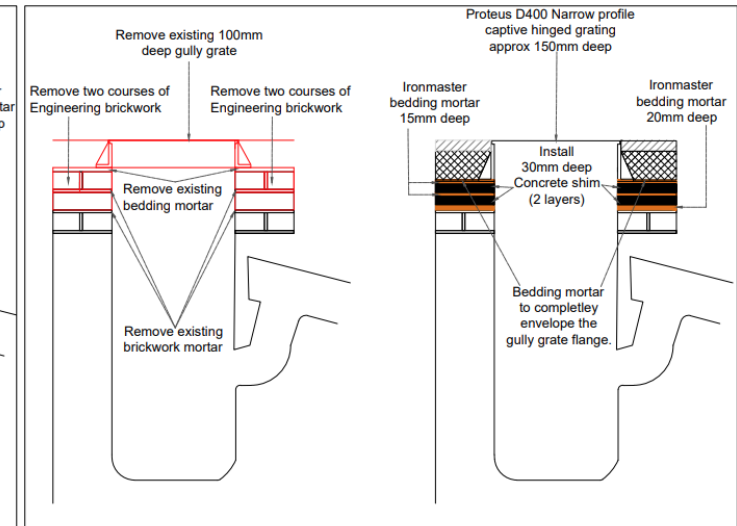
Detail D: Ironmaster patch detail



Detail E: Proteus Installation General arrangement for removal and replacement of a 150mm deep gully grate



Detail F: Proteus Installation Removal of existing 125mm deep gully grate, replacing with new Proteus 150mm Grating



Detail G: Proteus Installation Removal of existing 100mm deep gully grate, replacing with new Proteus 150mm Grating

Refer to Detail D and Detail E for construction build up from the ironwork flange upwards

RESIDUAL DESIGN HAZARDS

(The following information has been collected from Preconstruction Information and the Arsey CDM Hazard Management Process.)

- 1.7 Watercourses passing under the A86
- 1.14.1.1 Northern Power Grid Overhead Electricity Cables
- 1.14.1.2 British Telecom Overhead Cables
- 1.14.2.01 Northern Power Grid Underground Electricity apparatus
- 1.14.2.02 British Telecom underground apparatus
- 1.14.2.03 Northern Gas Underground apparatus
- 1.14.2.04 Northumbrian Water Foul Sewer
- 1.14.2.05 Northumbrian Water underground mains
- 1.14.2.06 National Highways Underground street lighting apparatus
- 1.14.2.07 NERTMC underground traffic loops

NOTES

1. Follow HSG47 Avoiding Danger from Underground Services.
2. Follow HSE GS6 Avoiding Danger from overhead power lines
3. NRSWA C2 information is available on Highways England Bravo System

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Key xxx

C01					
P01.1					
Rev		Drwn	Chkd	Appd	Date
Designed:					Date:
Drawn:					Date:
Checked:					Date:
Approved:					Date:

Designer 	Client
Project Name Drawing Title Proteus Gully Construction detail	Project Ref. No. 700 Work Stage No. 700 Scale: 1:500 @ A1 Dimensions: m Drawing Number Project Originator Volume Location Type Role Number
Suitability A1	Suitability Description Approved and Accepted
Revision C01	