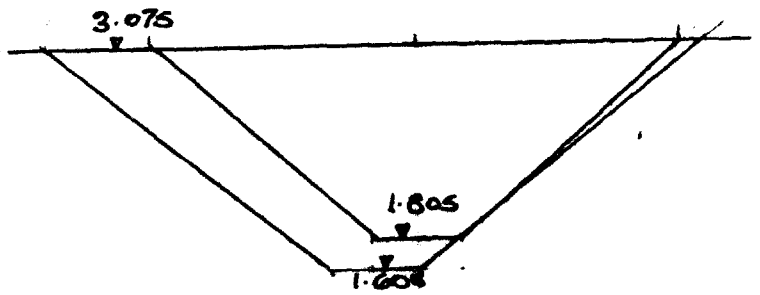
ASHWOOD HOMES – PROPOSED DEVELOPMENT AT HIGH ROAD, WESTON

Improvement Scheme for Private Dyke from Site Boundary to S.H.I.D.B's Delgate Drain

D.N. E88/AH/HRW/1

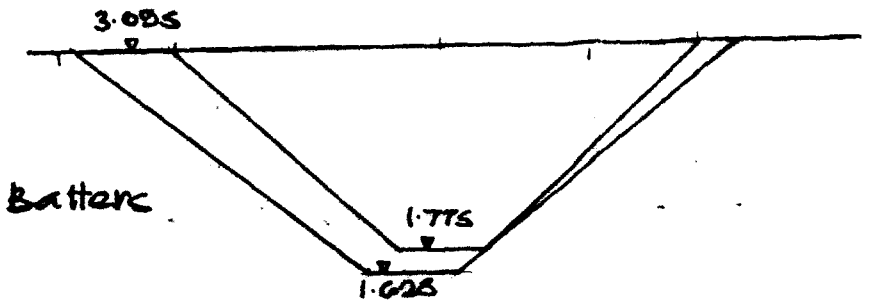
Scale Long sect Horiz 1:100
Vert 1:50
cross sects 1:50

Drawn by [illegible]



CROSS SECTION 1 @ 100m

1 to 1¼ Batters



CROSS SECTION 2 @ 200m

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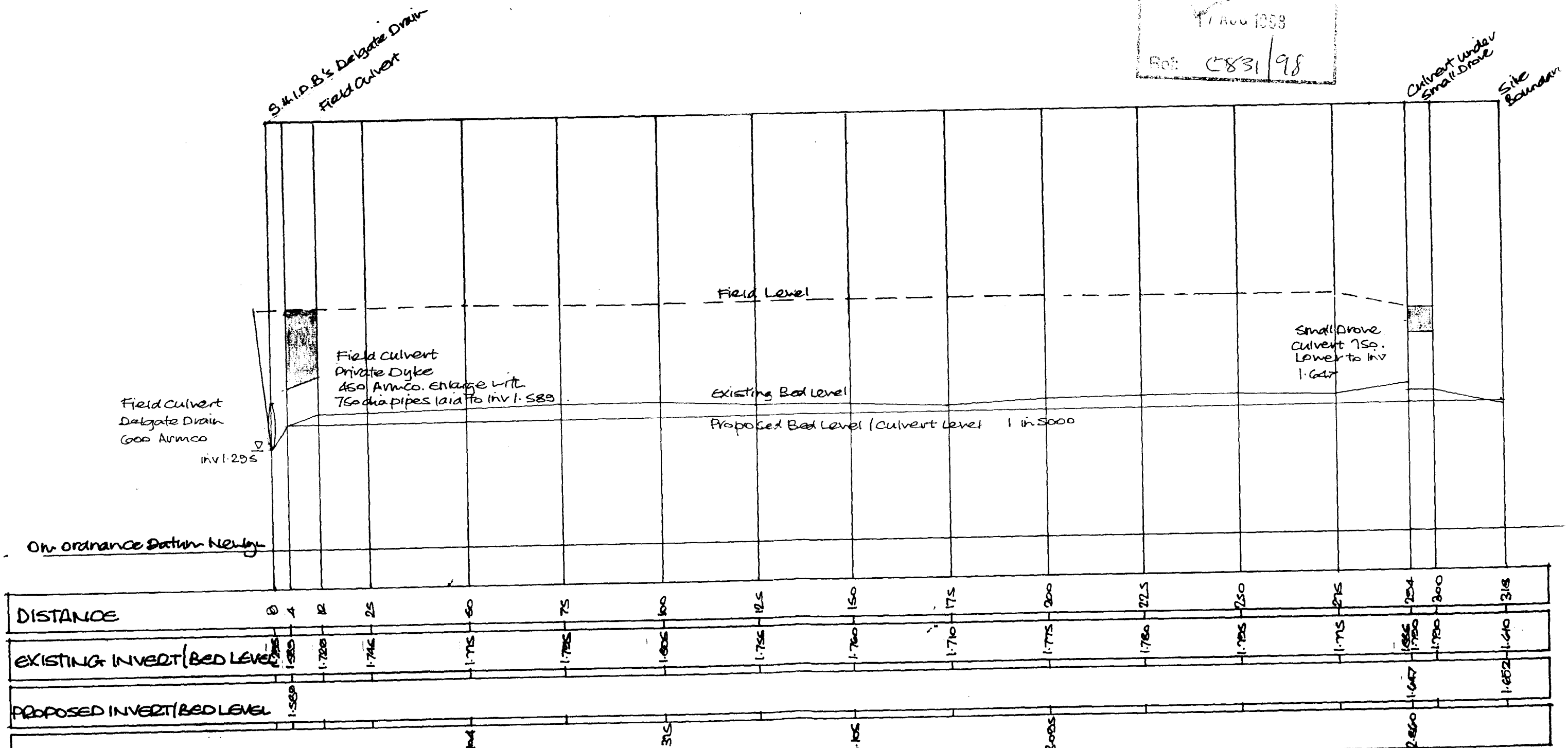
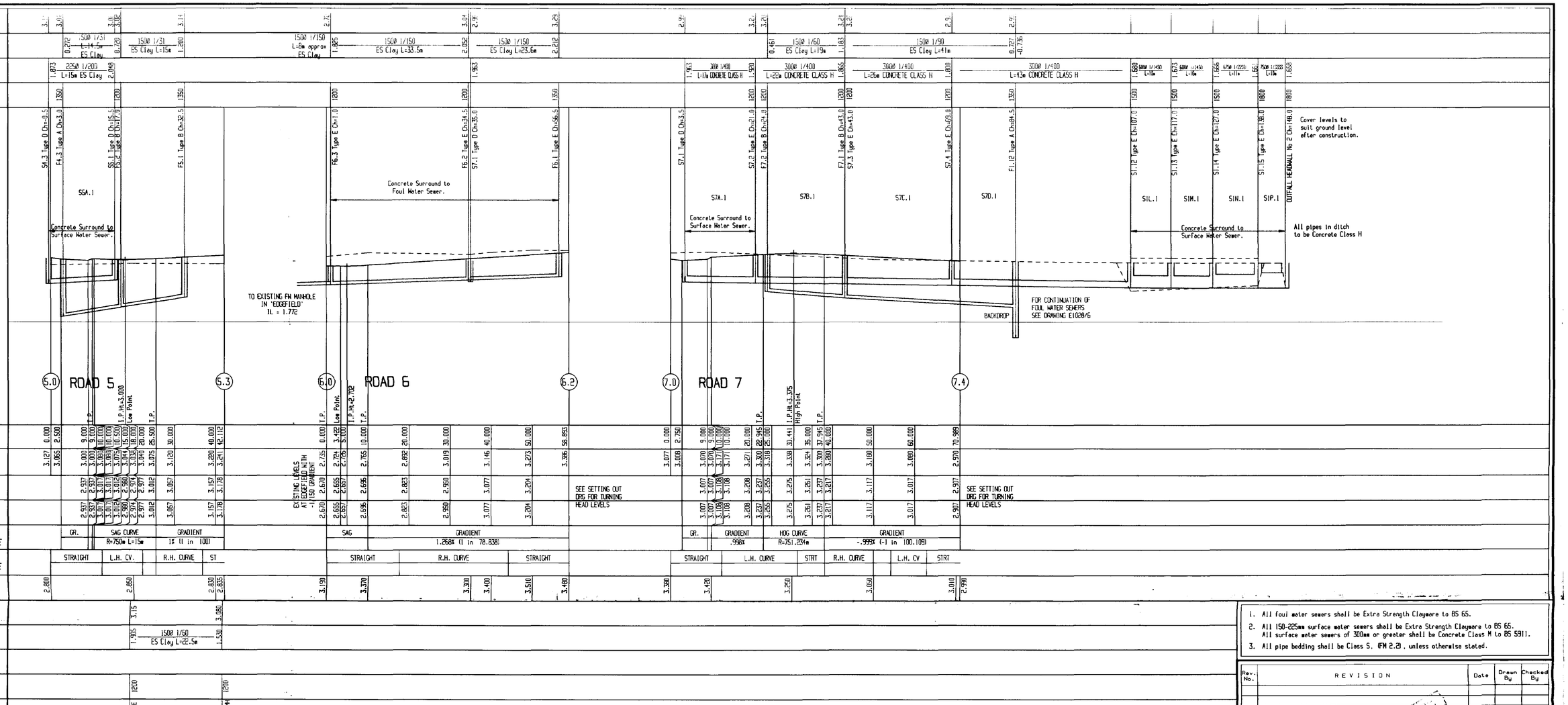
17 AUG 1998
Ref: C831/98





1. All foul water sewers shall be Extra Strength Clayware to BS 65.
2. All 150-225mm surface water sewers shall be Extra Strength Clayware to BS 65. All surface water sewers of 300mm or greater shall be Concrete Class M to BS 5911.
3. All pipe bedding shall be Class S, GFM 2.0, unless otherwise stated.

Rev. No.	REVISION	Date	Drawn By	Checked By

Written dimensions to be taken. Do not scale off the drawing.
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WORMALD, BURROWS PARTNERSHIP
Civil Engineering Consultants
12a & 14a Hitchin Street, Tel 01767 317244
Biggleswade, Beds SG18 8AX, U.K. Fax 315434

SOUTH HOLLAND DC
HOUSING & PLANNING
17 AUG 1998
Ref: 0831/98

Project
RESIDENTIAL DEVELOPMENT AT HIGH ROAD, WESTON, LINCS.

Drawing Description
LONGITUDINAL SECTIONS - ROADS 5-7

Client
Withee Valley Civil Engineering Ltd.
Redbourne House
Closehill Lane
Wyberton
Boston, Lincs.
PE21 7AA

Drawing Number
E 1028/7

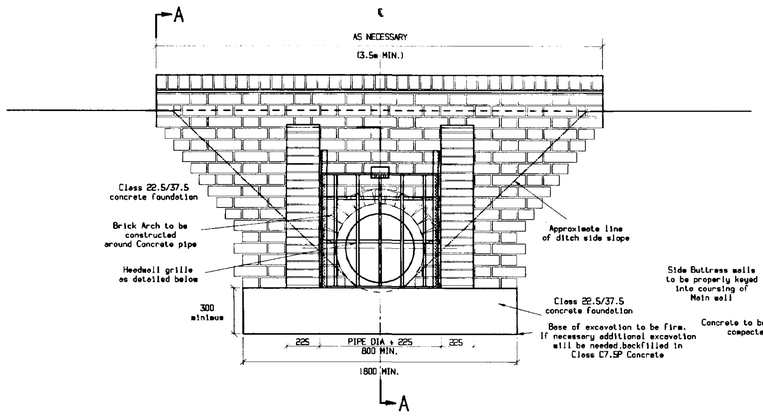
Drawn By JAB
Date 07-07-98

Scale H 1:500 V 1:100

Checked By HD
Date XX-07-98

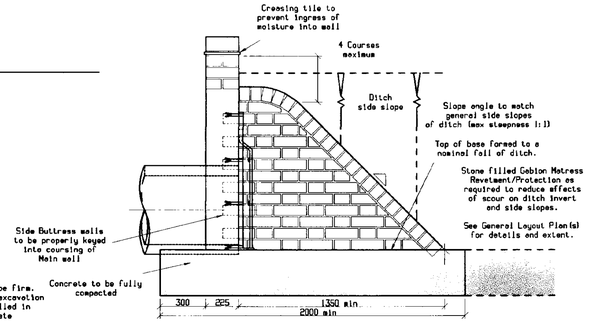
Architect
Moulton Design
63 East Cob Gate
Moulton
Spalding, Lincs.
PE12 6QJ

EAQA REGISTERED COMPANY ISO 9001 CERT No. 99



HEADWALL FRONT ELEVATION

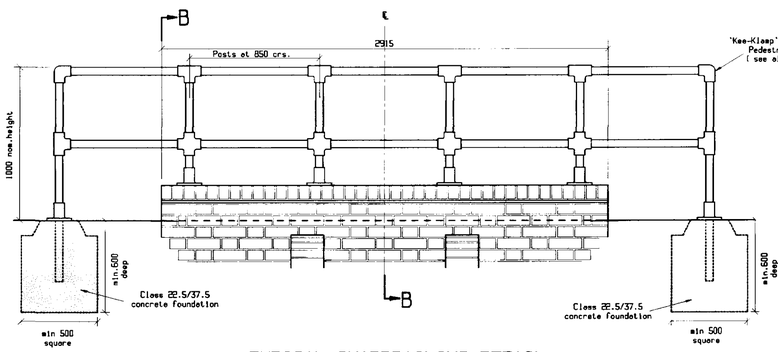
Note: 450Ø Pipe and Grille shown,but refer to Table of Requirements



HEADWALL PARTIAL SECTION A-A

TYPICAL HEADWALL TYPE E (Ditch End Entry Type)

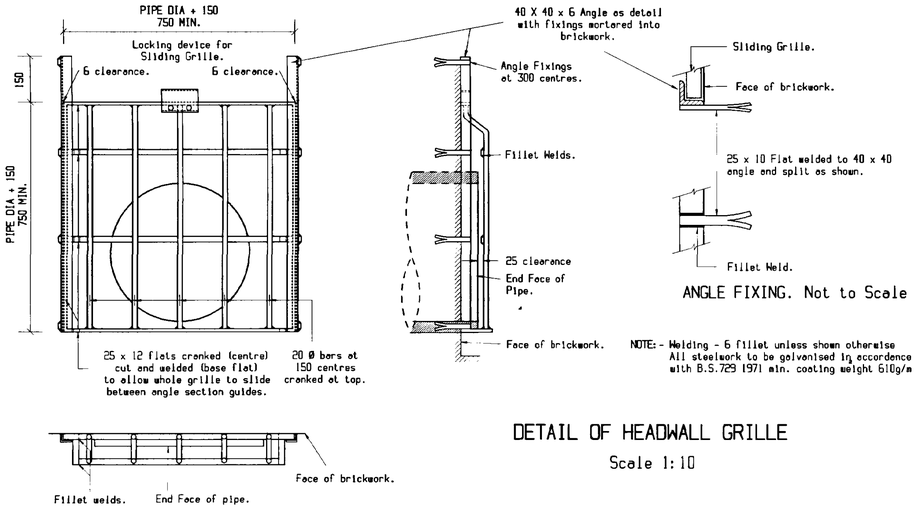
Scale 1:20



PARTIAL SECTION B-B

TYPICAL GUARDRAILING DETAIL

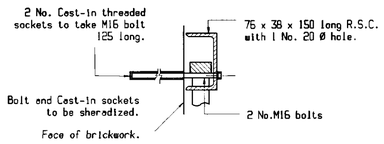
Scale 1:20



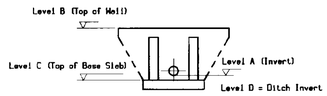
NOTE:- Welding - 6 fillet unless shown otherwise
All steelwork to be galvanised in accordence with B.S.729 1971 min. coating weight 610g/m

DETAIL OF HEADWALL GRILLE

Scale 1:10



SECTION THROUGH LOCKING DEVICE.
Not to Scale



Headwall No.	Type	Pipe Size (mm dia)	Grille Required	Railings Required	Level at A (m AOD)	Level at B (m AOD)	Level at C (m AOD)	Level at D (m AOD)
1	END ENTRY	675	YES	NO	1.665	3.15	1.665	1.665
2	END OUTFLOW	750	YES	NO	1.658	3.15	1.658	1.658
-	-	-	-	-	-	-	-	-

TABLE OF HEADWALL REFERENCE Nos. AND REQUIREMENTS

NOTES:

1. All dimensions in mm. unless stated otherwise.
2. All work to comply with DTp Specification for Highway Works Sewers for Adoption and Drainage Board Requirements.
3. Headwalls are numbered on General Layout Plan(s).
4. Pipe sizes and levels,together with requirements for grille and/or guardrailing are shown in the Table above.
5. Brickwork to be constructed from Engineering Bricks.Bond to be Flamish bond.Mortar to be 1:3 opc/sharp sand.with weathered pointing.
6. Concrete to be class 22.5/37.5 opc.
7. Pedestrian handrailing to be 'Kee-Klamp' or similar approved. Finish to be Hot dip Galvanised.Nominal height to be 1m above back of footpath.Base flange type fixings to be used on brickwork, with galvanised fixing bolts of dia.recommended by Manufacturer of Railings,drilled 300mm min into brickwork.

SOUTH HOLLAND DC
HOUSING & PLANNING
17 AUG 1998
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Civil Engineering Consultants
12a & 14a Hitchin Street, Biggleswade, Beds SG18 8AX, U.K.
Tel 01767 317244
Fax 315434

Project
RESIDENTIAL DEVELOPMENT AT HIGH ROAD,WESTON,LINCS.

Drawing Description
TYPICAL HEADWALL DETAILS

Client
Withem Valley Civil Engineering Ltd.
Redbourne House
Closehill Lane
Hyberton
Boston,Lincs.
PE22 7AA

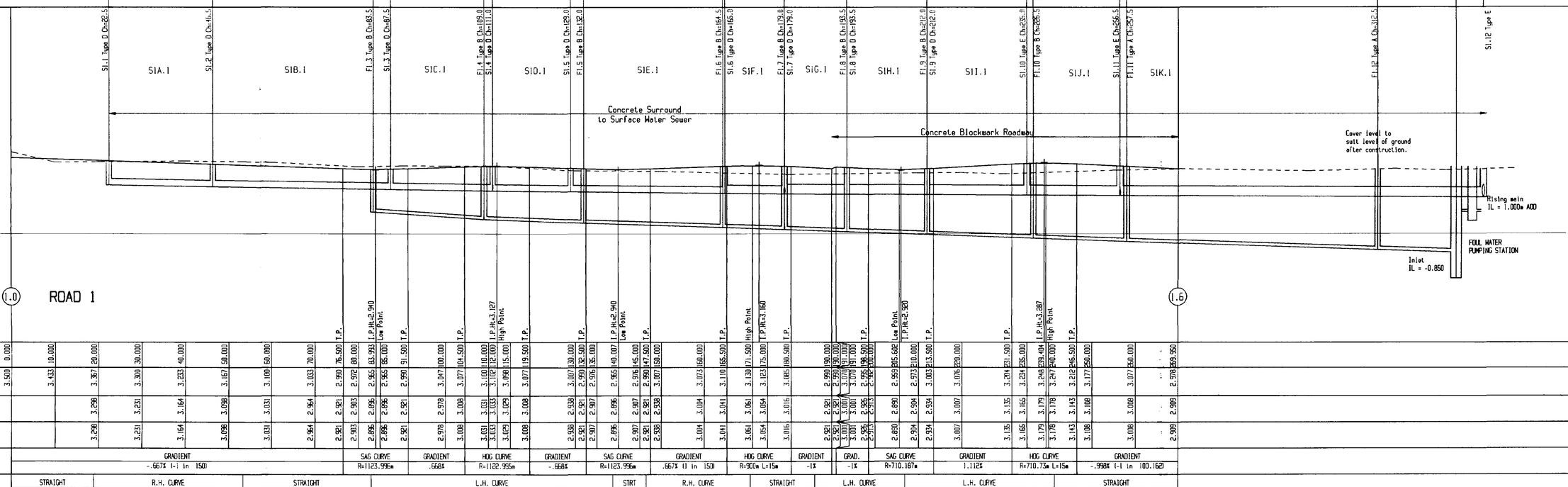
Drawing Number
E 1028/13

Drawn By
JAB
Date
07-07-98

Scale
1:10,1:20

Architect
Moulton Design
63 East Cob Gate
Moulton
Spalding,Lincs.
PE12 6DJ

Checked By
WD
Date



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3. All pipe bedding shall be Class S, (FM 2.2), unless otherwise stated.

Rev. No.	REVISION	Date	Drawn By	Checked By

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SOUTH HOLLAND DC
HOUSING & PLANNING
17 AUG 1998
Ref: 0831/98

Project
RESIDENTIAL DEVELOPMENT AT HIGH ROAD, WESTON, LINCS.

Drawing Description
LONGITUDINAL SECTIONS - ROADS 1-4

Client
Wilhen Valley Civil Engineering Ltd.
Redbourne House
Closehill Lane
Wyberton
Boston, Lincs.
PE21 7AA

Drawing Number
E 1028/6

Drawn By JAB
Date 07-07-98
Scale H 1:500 V 1:100

Architect
Moulton Design
63 East Cob Gate
Moulton
Spalding, Lincs.
PE12 6QJ

Checked By HD
Date XX-07-98

EAQA
Reg. FM 12123 (Quality)
ISO 9001

KEY

- PROPOSED FWS
- PROPOSED FW RISING MAIN
- DRAINAGE EASEMENT
- PROPOSED SWS
- S1A.1 — PROPOSED HIGHWAY DRAIN (with Hydroworks link ref)
- G — PROPOSED TRAPPED GULLY 150mm OUTLET
- G — EXISTING GULLY
- PC — PRAM CROSSING
- 5m HIGH HOT DIPPED GALVANISED STEEL COLUMN, 35 WATT SOX SIDE ENTRY LANTERN, 0.3m PROJECTION. HINGED COLUMNS
- PROPOSED STREET LIGHTING TO L.C.C SPECIFICATION 5/35/RL/93 WITH REC SUPPLIES
- BLACKTOP CARRIAGEWAY WITH 1.8m FOOTWAY OR GRASS VERGE AS APPROPRIATE,AS SHOWN MARKER POSTS AS REQUIRED TO BACK OF VERGE
- CONCRETE BLOCK PAVING ESTATE ROADS ONLY
- TRANSITIONAL RAMP BETWEEN BLACKTOP AND BLOCKPAVED CONSTRUCTION
- PASING BAY CONSTRUCTED AS PART OF 278 WORKS (SEE ALSO OTHER DRG)

NOTES

1) Street Lighting details and installation shall comply with the Lincs.C.C Specification
2) White lining may be required at road junctions. Exact details to be agreed on site with the Area Engineer
3) Illuminated 'Road Narrows' signs to Diag.Nos. 517 and 517 Rev,size 600mm will be required at Traffic Calming Feature in Road 1 at ch 205. Signs to also have supplementary plate 'Single File Traffic' to Diag 518,size 50mm x-height.

North. (Indicative)

RECEIVED 17 AUG 1998

SOUTH HOLLAND DC HOUSING & PLANNING 17 AUG 1998 Ref: 083/98

Rev. No.	REVISION	Date	Drawn By	Checked By
A	Piped ditch in Small Drove changed to 375Ø	31.7.98	NJM	JAB

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Tel 01767 317244
Fax 315434

Project

RESIDENTIAL DEVELOPMENT AT HIGH ROAD,WESTON,LINCS.

Drawing Description

ADOPTABLE ROADS AND SEWERS

Client
Withen Valley Civil Engineering Ltd.
Redbourne House
Closehill Lane
Wyberton
Boston,Lincs.
PE21 7AA

Drawing Number
E 1028/8A

Drawn By JAB
Date 07-07-98

Scale 1:500

Checked By WD
Date XX-07-98

Architect
Moulton Design
63 East Cob Gate
Moulton
Spalding,Lincs.
PE12 6QJ

EAQA FIRM REGISTERED TO BS EN ISO 9001 CERT No 99

Existing NW kerbline retained

EXISTING FOUL WATER RISING MAIN TO BE DIVERTED AS NECESSARY ALONG SMALL DROVE USING MATERIALS TO MATCH EXISTING. THRUST BLOCKS,TOGETHER WITH APPROPRIATE BENDS AND FITTINGS WILL BE NECESSARY AT SUDDEN CHANGES IN DIRECTION.THE DIVERTED RISING MAIN TO DISCHARGE INTO NEW FWMH F3.1

IF LOW OR HIGH POINTS ARE FORMED THEN WASHOUTS/AIR VALVES WILL NEED TO BE INSTALLED AS NECESSARY.

DEPENDING UPON CONDITION,SIZE,LEVELS OF EXISTING SECTION OF CULVERTED DITCH, THIS MAY REQUIRE RELACING BY 375Ø 1/1500 CONCRETE PIPE CLASS H WITH CONCRETE BED & SURROUND