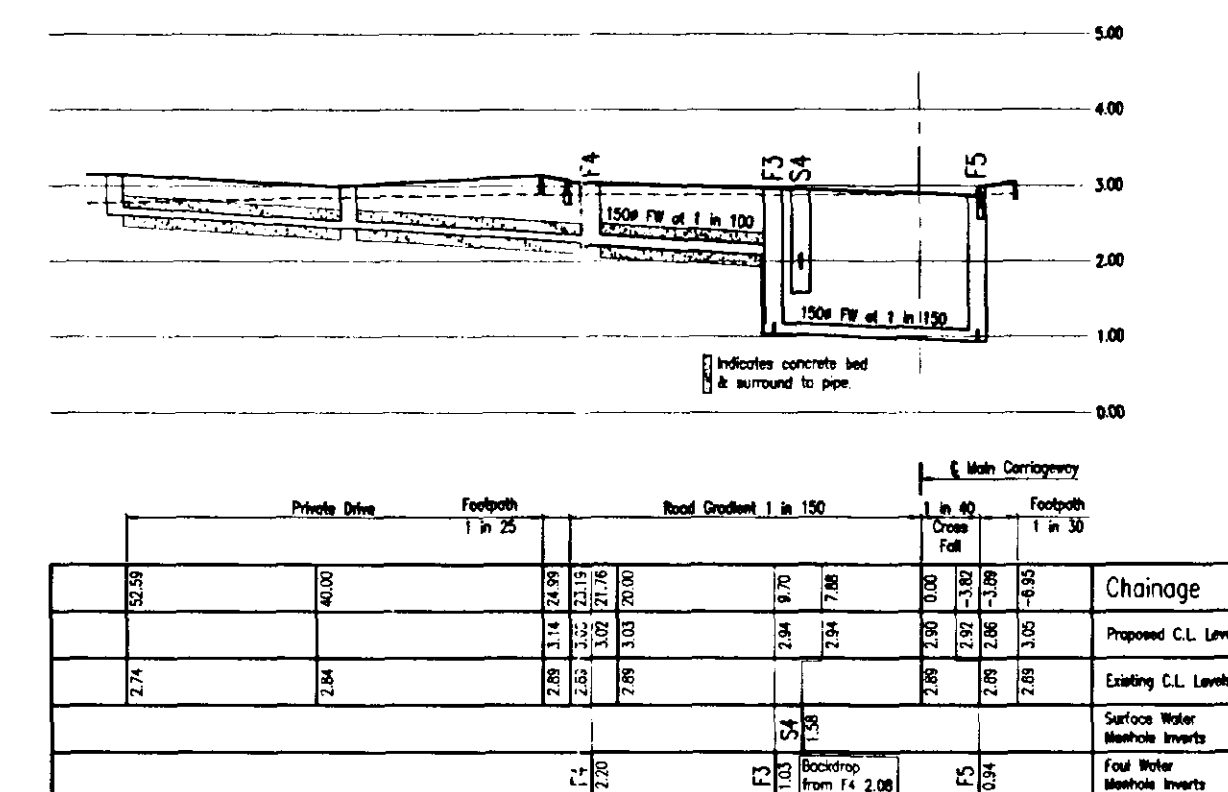


- [illegible]

Position, type and installation of lifting davit sockets to be approved by Anglian Water.

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21	11/10/01	Long section S2 to outfall amended. Foul manhole changes and backdrop levels added.
12	10/10/01	Amended to AWS comments in letter dated 1/10/01. Scales to long sections amended. Foul water sewers shown amended.
8	26/9/01	Amended to LCC comments in letter dated 17/9/01. Surface water run S3 to S4 amended to 225mm. Surface water run S4 to RC omitted. Concrete surround shown to all SW runs. Drawing status amended to 'For Approval'.
A	3/9/01	Amended to AWS comments in letter dated 31/8/01. Foul manhole ISA added to long sections S3, S4 and F2-1. Gradients amended. New long section through pumping station compound added. Manhole changes and cover levels shown on all long sections.

SRC **SIDEBOTTOM
RICHARDSON
CHENG LTD**
CONSULTING STRUCTURAL AND CIVIL ENGINEERS

15 HIGH STREET,
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E-MAIL: info@src.co.uk

TITLE
Longitudinal Sections

DATE	06/07/01	SCALE	1:500 (H), 1:100(V)
DRAWN	PJS	CHECKED	

DESIGN		FILENAME	25501-01-03
DRG No. 25501/03			REV D

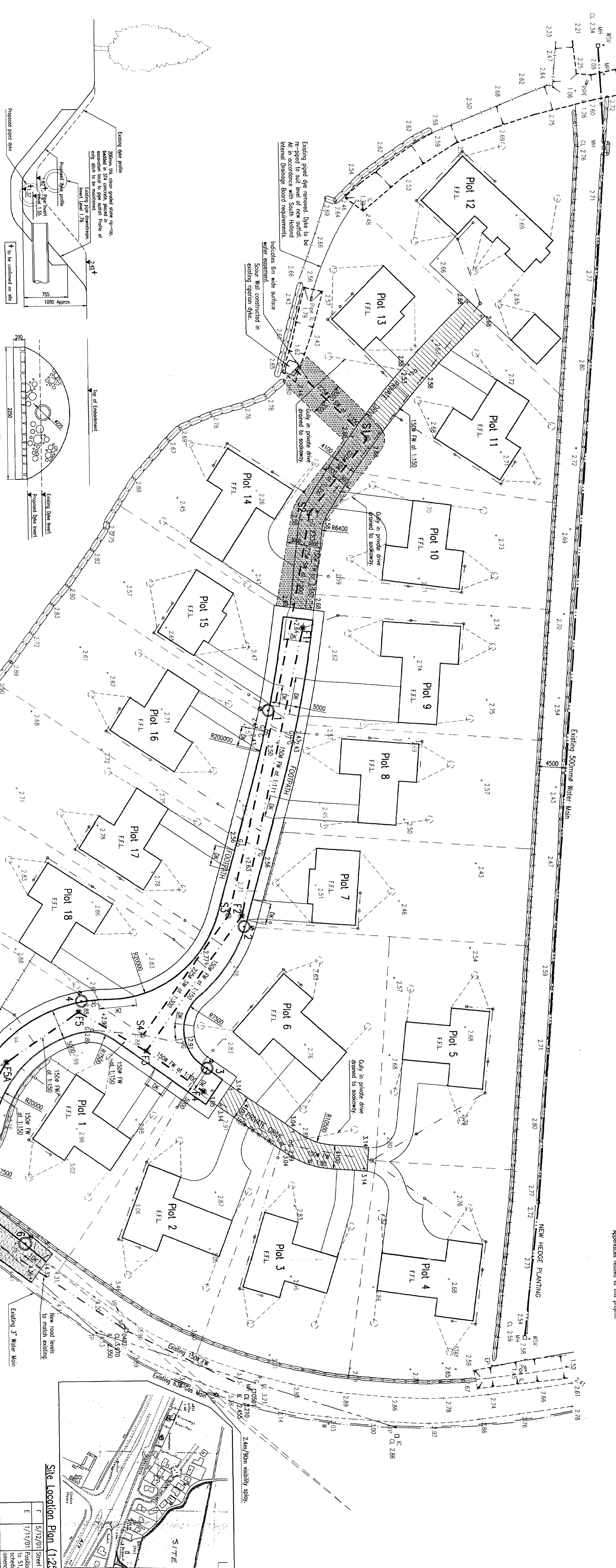
STREET LIGHTING

For street lighting column construction details refer to the street lighting specification.

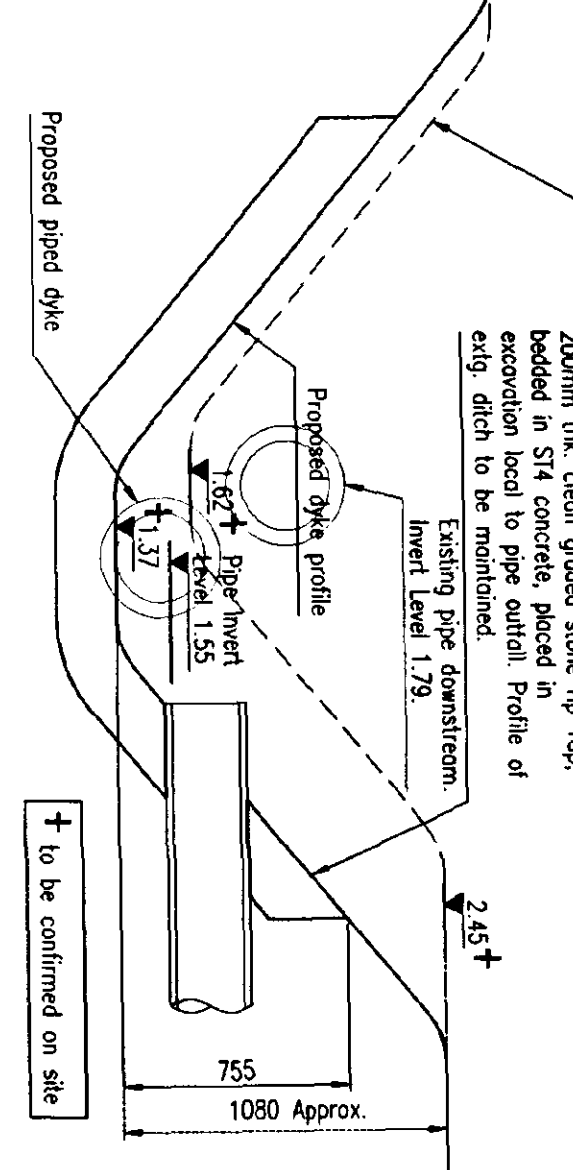
6 metre Type 3M0 column with post top mounted luminaire to App 14/2 (Units Supplied 1 or equivalent)

RS1 Externally illuminated road sign to App 1/12

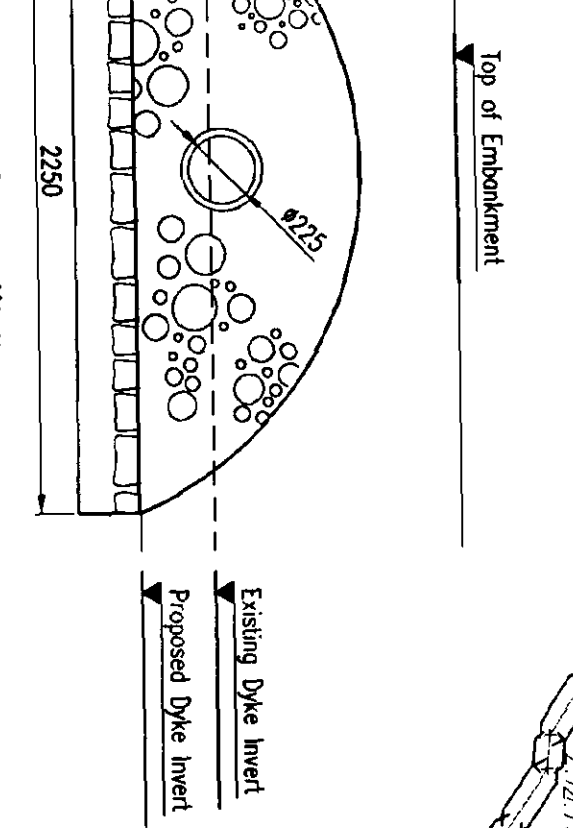
NS The Contractor is made aware of the relevant SNW Appendices related to this project.



Section showing Scour Wall Construction



View on Scour Wall



KEY

Line of Embankment	CSI
Surface Water Manhole + Reference	F1
Foul Water Manhole + Reference	F1
Existing Ground Level	2.45
Proposed Ground Level	+4.32
Surface Water Sewer	---
Foul Water Sewer	---
Overhead Cables (existing)	---
Pumped Foul Water Sewer	---
Gas mains	---
Underground electric cables	---
Foul Water Sewer (existing)	---
Potable water supply	---
Proposed Drainage	---
Extent of Adoptable Formic	---
Roads & Footpaths	---
Extent of Private Roads	---
Extent of Proposed Road & Junction	---
Proposed Tactile Paving	---
Extent of SW Easement	---
Proposed Gully	---
Roading Type	---
Streetlight (Existing)	---
Streetlight Post (Existing)	---
Streetlight (Proposed)	---

Manhole Schedule

Ref.	Cover Level	Man Invert	Man Outlet	Man Dia. (mm)	Man Depth (mm)	Remarks	Man Cover Size & Grade
Outfall	2.88	1.30	1.60	1050	1380	SW Man type X	600 x 600 G250
S1	2.88	1.30	1.60	1050	1380	SW Man type X	600 x 600 G250
S2	2.86	1.35	1.65	1050	1210	SW Man type X	600 x 600 G250
S3	2.70	1.49	1.79	1050	1210	SW Man type X	600 x 600 G250
S4	2.84	1.38	1.68	1050	1380	SW Man type X	600 x 600 G250
F1	4.35	1.679	1.679	1350	2881	Ext. RW Manhole	600 x 600 G250
F2	2.62	1.67	1.67	1350	950	New RW Man type X	600 x 600 G250
F3	2.67	1.22	1.22	1350	1450	New RW Man type X	600 x 600 G250
F4	3.02	2.20	2.25	1350	1810	New RW Man type X	600 x 600 G250
F5	2.92	0.94	0.94	1200	820	New RW Man type X	600 x 600 G250
F6	3.04	0.84	0.84	1200	1980	New RW Man type X	600 x 600 G250
F7	4.06	0.74	0.74	1200	2200	New RW Man type X	600 x 600 G250
F8	4.50	2.55	2.55	1350	1550	New RW Man type X	600 x 600 G250
F9	4.10	0.68	0.68	1200	2520	New RW Man type X	600 x 600 G250
P1	4.10	0.68	0.68	1200	3420	New RW Man type X	600 x 600 G250

* to BS EN12419/94 to be specified by pump manufacturer. † indicates bedding manhole to be specified by pump manufacturer.

All surface water manholes exceeding local drainage to be constructed with a catch pit.

Pipe Run Schedule

Pipe Run (Mtr-Mtr)	Pipe Dia. (mm)	Gradient (1 in X)	Length (m)	Pipe Type	Pipe Bedding
Outfall - S1	225	17.0	350	Unfilled Clay	Concrete Surround
S1 - S2	225	225	350	Unfilled Clay	Concrete Surround
S2 - S3	225	225	350	Unfilled Clay	Concrete Surround
S3 - S4	225	225	350	Unfilled Clay	Concrete Surround
F1 - F2	150	111	50.1	Unfilled Clay	Concrete Surround
F2 - F3	150	150	100	Unfilled Clay	Concrete Surround
F3 - F4	150	150	100	Unfilled Clay	Concrete Surround
F4 - F5	150	150	100	Unfilled Clay	Concrete Surround
F5 - F6	150	150	100	Unfilled Clay	Concrete Surround
F6 - F7	150	150	100	Unfilled Clay	Concrete Surround
F7 - F8	150	150	100	Unfilled Clay	Concrete Surround
F8 - F9	150	150	100	Unfilled Clay	Concrete Surround

A signs and markings drawing is to be provided by the Developer and approved by Lincolnshire County Council. Signs and markings to be provided on site as approved.

Positions of existing services pipes and ducts are approximate ONLY. Refer to individual service providers for exact locations.

For Pumping Station Arrangement & Details refer to drg. no. 25501/04.

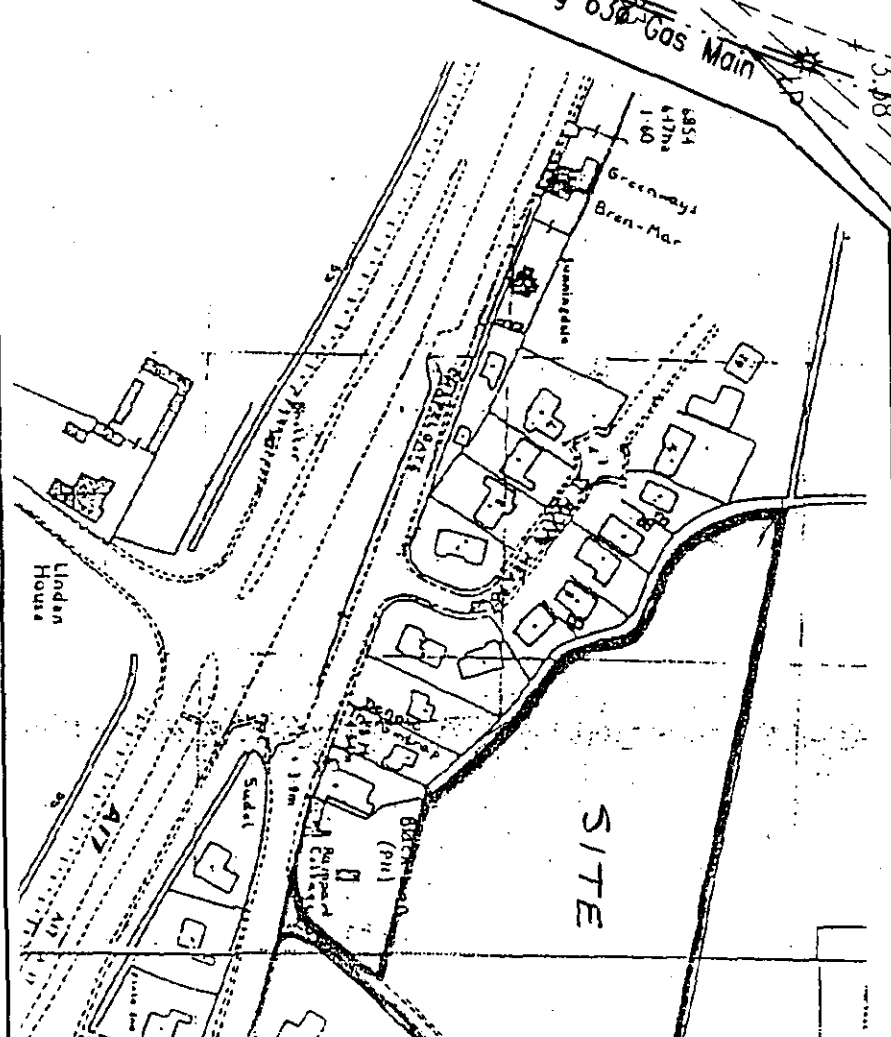
Junction Improvements to L.C.C. Highways Specification.

Typical Foul Water Manhole Detail

For Road & Drainage Arrangement & Details refer to drg. no. 25501/02.

For Longitudinal Section refer to drawing no. 25501/03.

Site Location Plan (1:2500)



REV.	DATE	REMARKS
A	24/7/01	Initial design.
B	3/9/01	Revised design.
C	26/9/01	Final design.
D	12/10/01	Final design.
E	1/11/01	Final design.
F	5/12/01	Final design.

FOR APPROVAL

PROPOSED RESIDENTIAL DEVELOPMENT, LOW GATE, GEDDY, SPIDDING, Lincs., for D. Brown (Building Contractors) Ltd.

ADAPTABLE ROAD & DRAINAGE ARRANGEMENTS, LOW GATE, GEDDY, SPIDDING, Lincs., for D. Brown (Building Contractors) Ltd.

DRG No. 25501/01	SCALE 1:2500	CHECKED	FILENAME 25501/01
DATE 06/07/01	SCALE 1:2500	CHECKED	FILENAME 25501/01
DATE 06/07/01	SCALE 1:2500	CHECKED	FILENAME 25501/01
DATE 06/07/01	SCALE 1:2500	CHECKED	FILENAME 25501/01

g is to be read in conjunction with all other r
Architects details.

10. All trenches under carriageway to be backfilled with Type 1 Sub-base, well compacted in layers not exceeding 150mm loose depth.

ed clay drainage pipework should be laid in accordance BS 8301.

A-Type A granular material shall comply with MTS No. 4-08-01 and

- D_e
- External diameter of pipe.

from this drawing, if in doubt, ASX.

accordance with the current edition of 'Lincolnshire County Council

engineers and architects drawings.

columns to be as Lincolnshire County Council the layout is to comply with BS 5489:Part

no. 25501/01.

For Longitudinal Section refer

TABLE 1. *Continued*

Details refer to drawing no. Z5501/04

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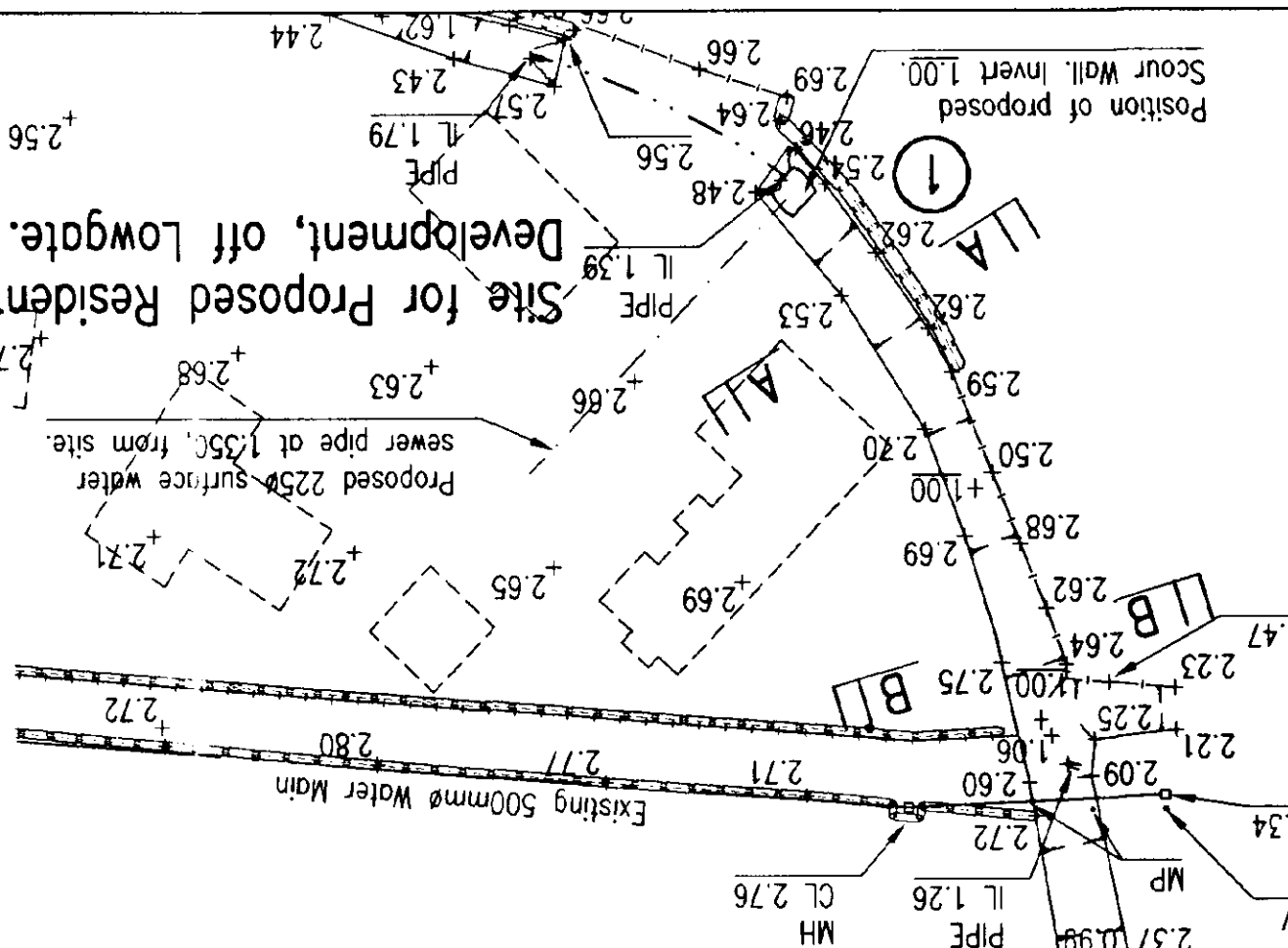
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All levels are related to ordnance datum.

Existing dyke invert levels shown +1.00

Care must be taken when excavating locally to the existing 500mm $\varnothing$ water main crossing the dyke. No excavations to be undertaken within 3m (minimum) either side of the main. Anglian Water contact no. 0800 145145.

Site for Proposed Residential Development, off Lowgate.



REV	DATE	REMARKS
A	3/9/01	Drawing updated to John Ebery (SHDB) comments in letter dated 22/8/01. Sections amended to show bed width of 850mm & banking of 1.25(H):1.00(V). Longitudinal section amended. Reference numbers added to plan.
STATUS		
PRELIMINARY		
FOR INFORMATION PURPOSES ONLY		
SIBSBOTTOM RICHARDSON CHENG LTD		
CONSULTING STRUCTURAL AND CIVIL ENGINEERS		
PROJECT		
Proposed Residential Development, at Low Gate, Gedney, Spalding, Lincs., for D. Brown (Building Contractors) Ltd.		
TITLE		
Dyke Improvement Arrangement & Sections		
DATE	JULY 2001	SCALE 1:300 1:50
DRAWN	PJS	CHECKED
DESIGN		FILENAME 25501-05
DRG No.	25501/05	REV A

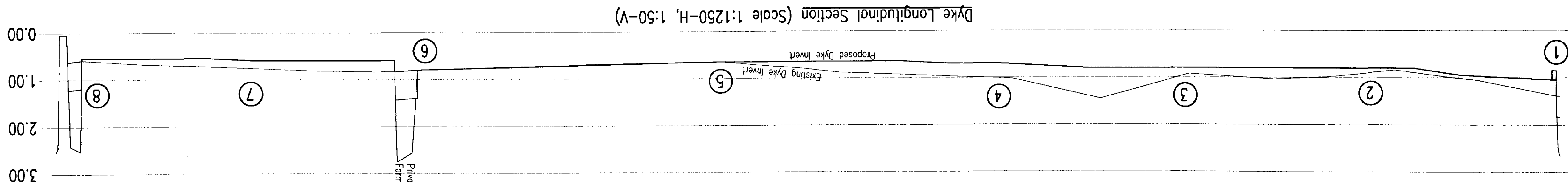
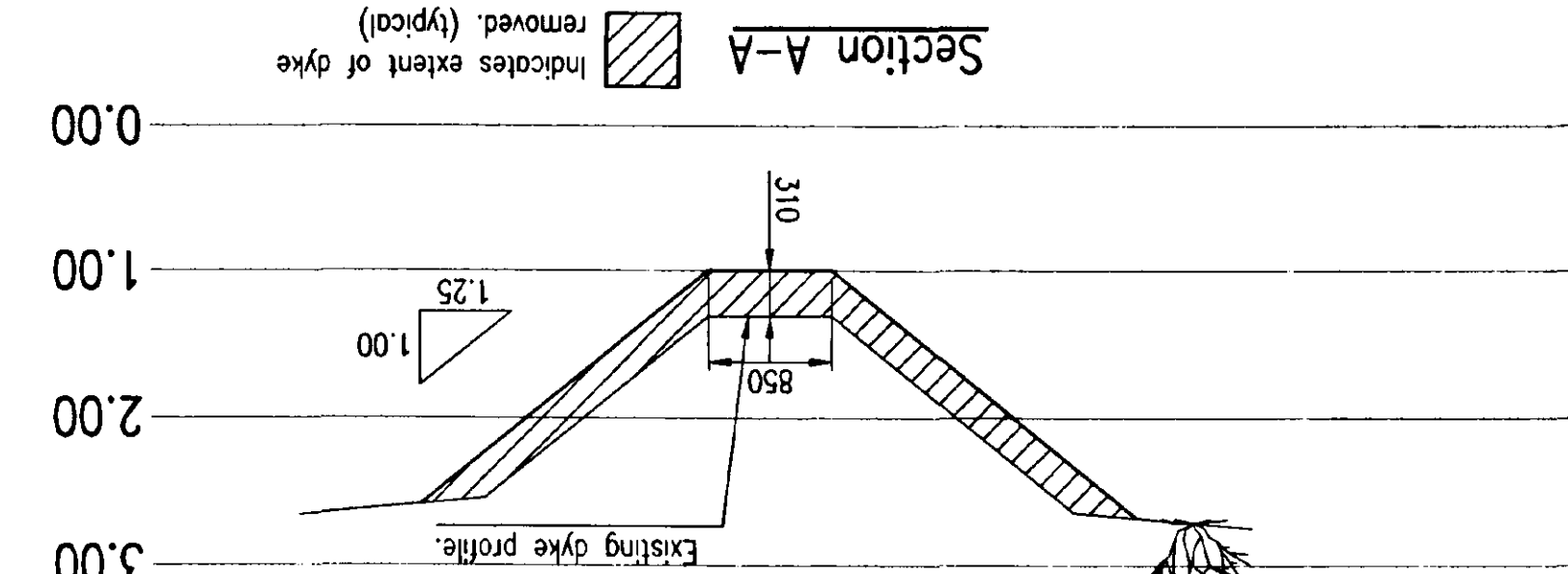
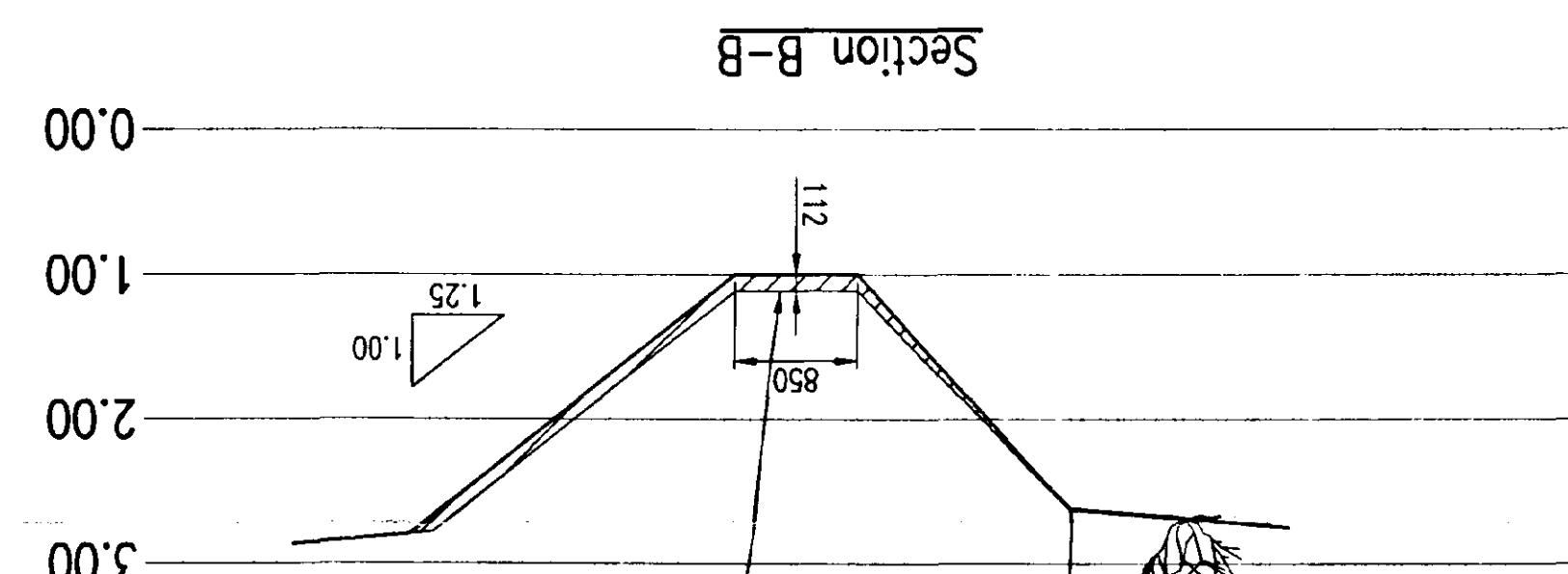
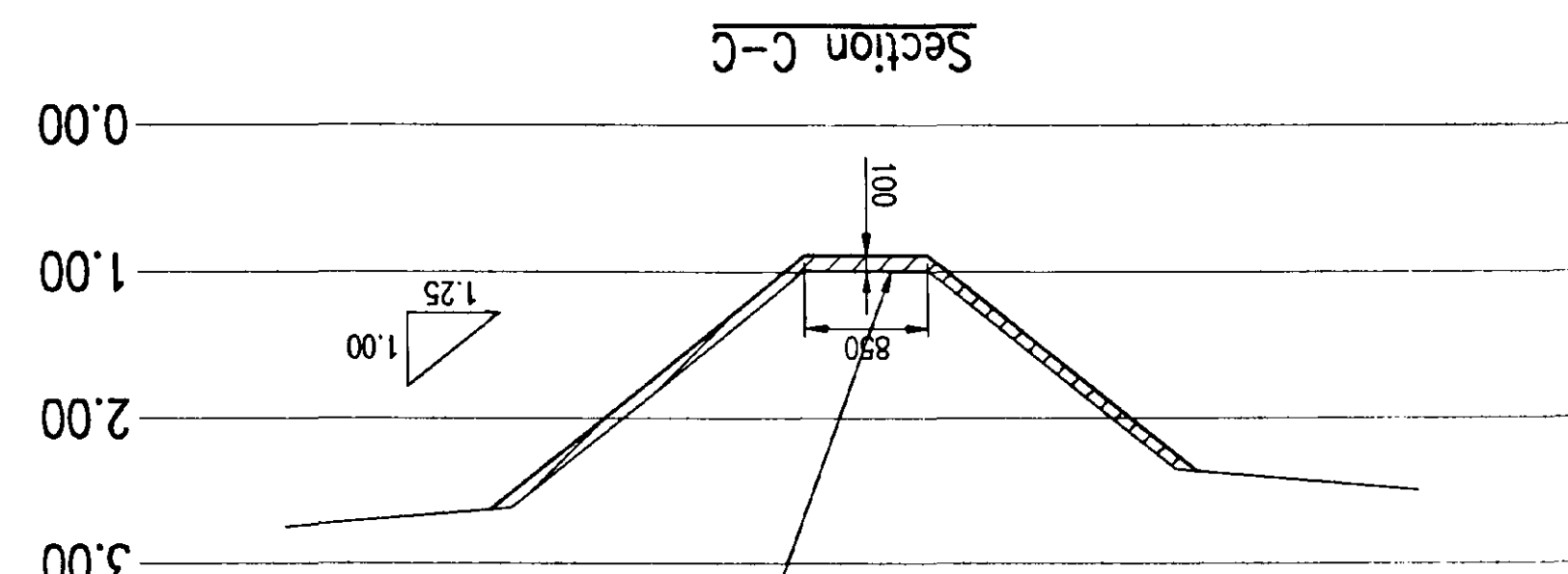
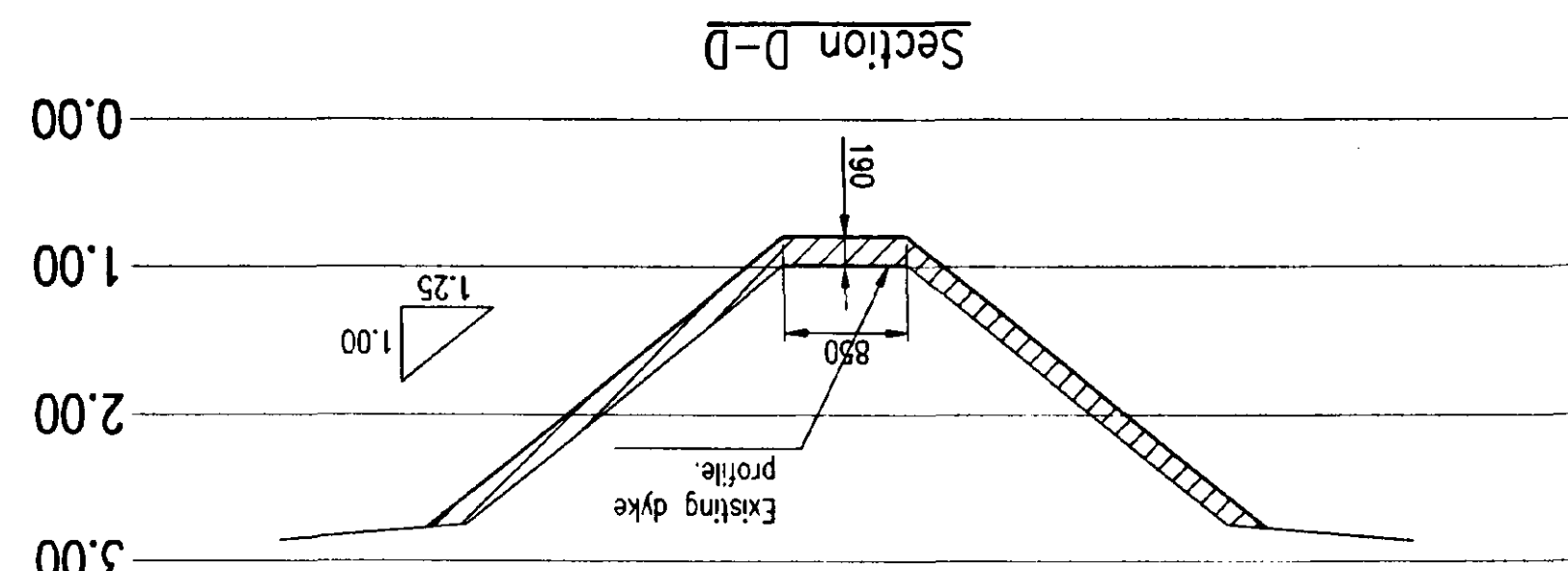
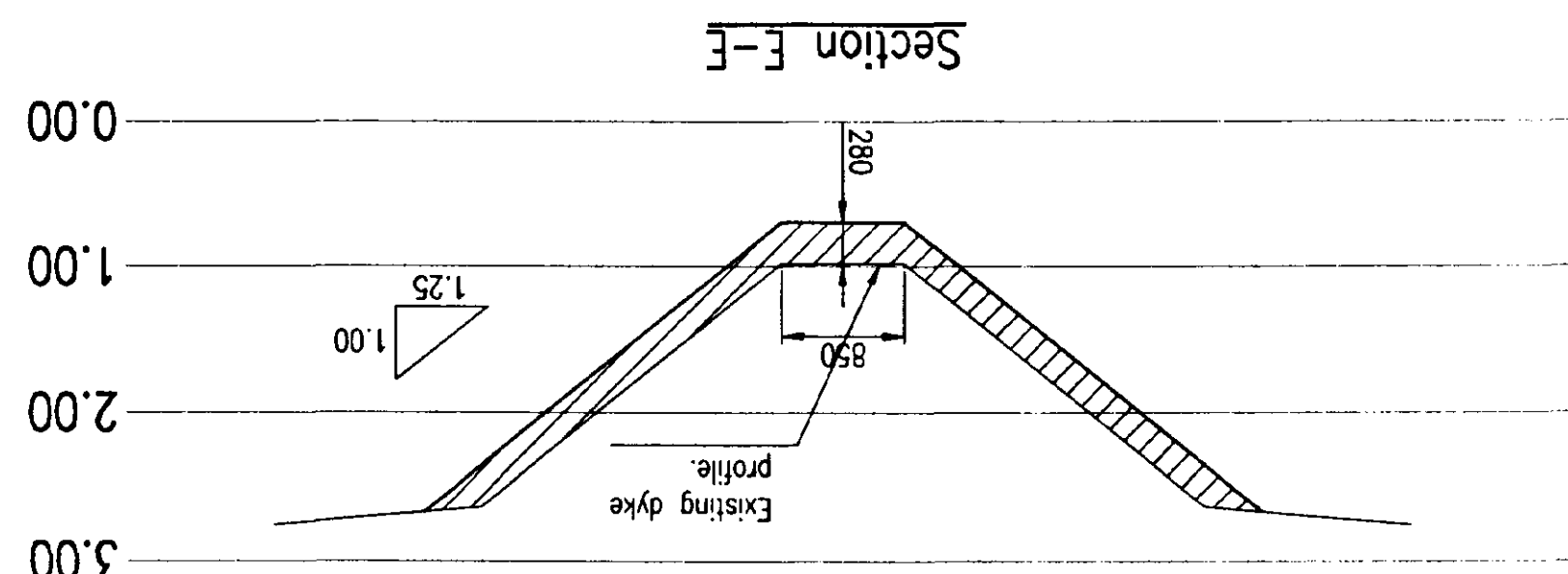
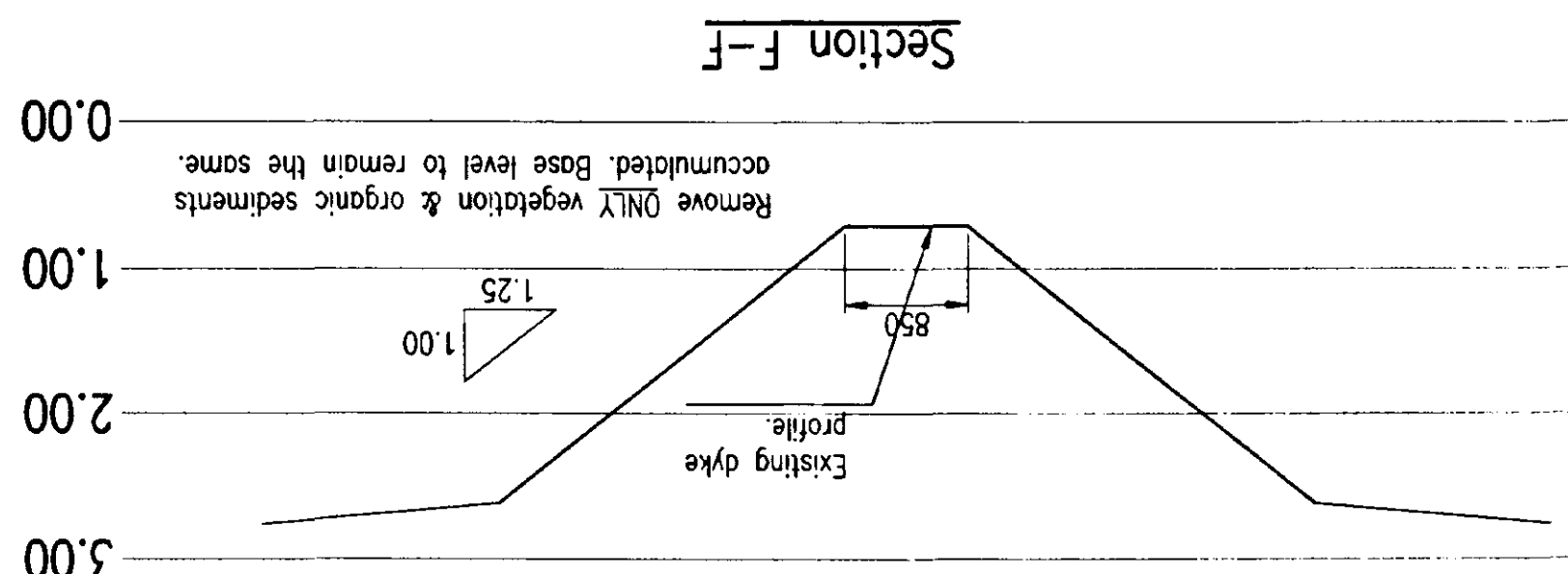
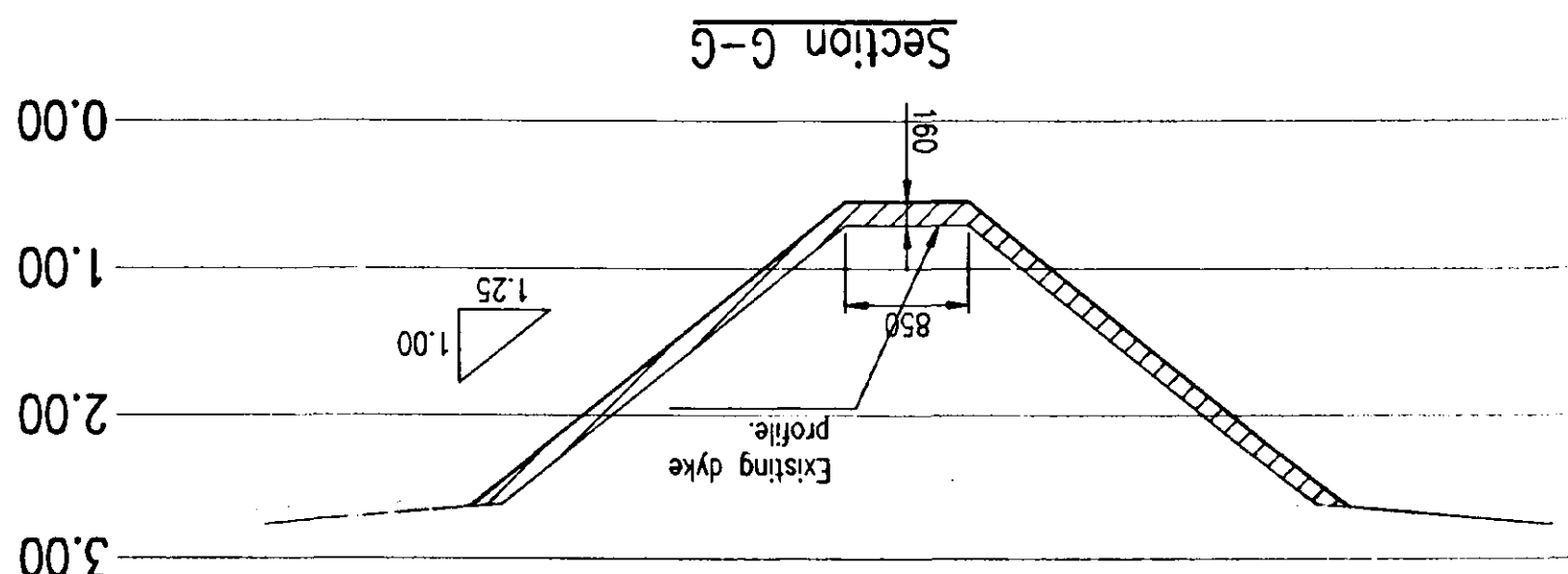
DETERMINED PLAN

Dyke Improvement Arrangement & Sections

Proposed Residential Development, at Low Gate, Gedney, Spalding, Lincs., for D. Brown (Building Contractors) Ltd.

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SCHEMATIC DRAWING
HOLDING NO. 145145
6 DEC 2001
Ref: 1385



Indicates extent of existing dyke where DMV vegetation & organic sediments accumulated, are to be removed. ie: base levels are to remain the same.

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