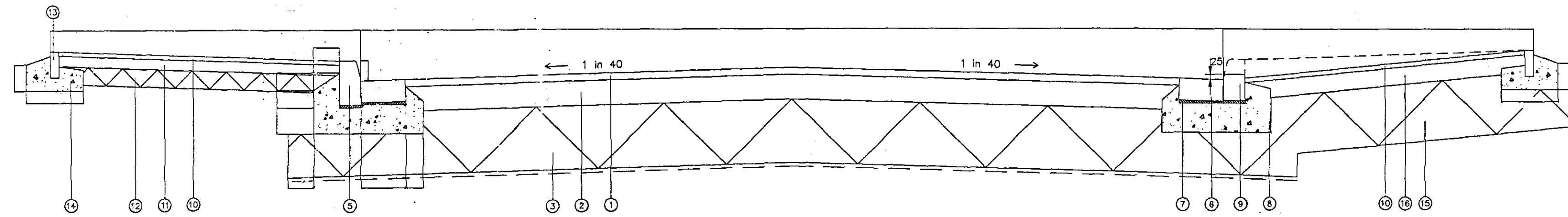


ADOPTABLE HOUSING ESTATE ROAD & FOOTWAY CONSTRUCTION (Blacktop) Scale 1:20



(10). Wearing course.
25mm DBM to BS.4987:2005
6mm nominal size aggregate.
(Lincs. CC Spec.Cl. 1.5 & 9.4).

(11). Basecourse (Footway).
50mm DBM to BS.4987:2005
20mm nominal size aggregate.
(Lincs. CC Spec.Cl. 1.5 & 9.1).

(12). Sub-base (Footway).
100mm granular material shall be
crushed rock, slag, crushed concrete
or other approved material.
(Lincs. CC Spec.Cl. 1.2)

(13). 50x152mm precast concrete edging
to BS.7263 Type EF.

(14). 75mm thick Class ST3 concrete bed
with 140mm thick haunch.

(1). Wearing course.
40mm Close Graded Bitumen; 10mm
nominal size aggregate.
(Lincs. CC Spec.Cl. 1.4 & 9.3 refers).

(2). Basecourse.
110mm DBM; 20mm nominal size aggregate
BS.4987:1988 with 50 pen binder.
(Lincs. CC Spec.Cl. 1.3 & 9.1 refers).

(3). Sub-base.
Minimum 300mm Granular material shall be crushed rock
slag, crushed concrete or other approved material
to Clause 803, Type 1, Lincs. CC Spec.Cl. 1.2 refers.
(Austal thickness is dependent on value of CBR test
results. See Table below.)
If CBR not proven or less than 2% then sub-base
to be min. 430mm thick. (Please refer to Procedural Notes)
Irrespective of any CBR requirements, the total
thickness of sub-base shall be such that the total
depth of the pavement shall not be less than 450mm.

CBR	<1.5	1.5	2	3	>4	%
Lift	01.1.6	630	400	310	300	mm

CBR assumed @ 2% to be
confirmed by soils investigation.

(5). 125x255mm precast concrete
Half-battered kerb unit to
BS.7263, Type HB2.

(6). 154x125mm precast concrete channel
block unit to BS.7263 Type CS1.
Laid where grade less than 1:150.

(7). 15mm thick Sand/Cement
mortar.

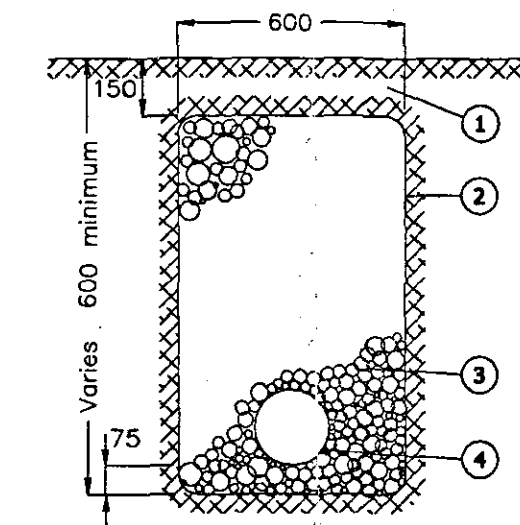
(8). 150mm thick Class ST3 concrete
bed and haunch.

(9). 125x150mm precast concrete
bullnosed dropped kerb unit to
BS.7263, Type HB3.

(15). Sub-base (Vehicular Crossing).
380mm granular material shall be
crushed rock, slag, crushed concrete
or other approved material.
(Lincs. CC Spec.Cl. 1.2)

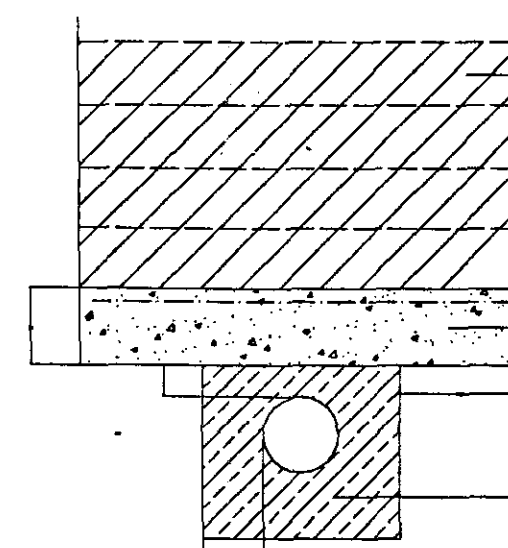
(16). Basecourse (Vehicular Crossing).
100mm DBM to BS.4987:2005
20mm nominal size aggregate.
(Lincs. CC Spec.Cl. 1.5 & 9.1).

FRENCH DRAIN Scale 1:20



- 150mm max. thickness topsoil, or topped
off with gravel if directed by Engineer.
- Terram geotextile material, (or similar
approved); lining entire trench.
- Clean aggregate filter medium, partial size 20-50mm,
placed within trench and surrounded by geotextile
material. To Engineer's approval.
- Perforated uPVC sub-soil drainage pipe; diameter
150mm wrapped in 1000 grade Terram.

PIPE BEDDING: Class A & S

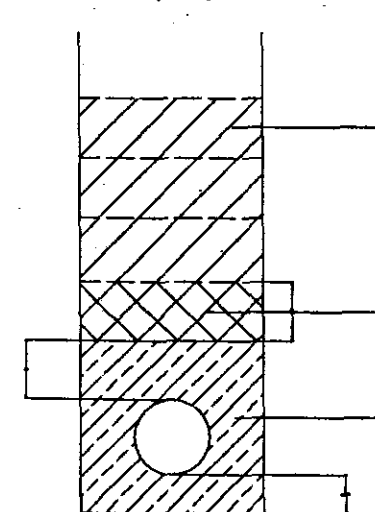


NOTE
Under carriageway, bedfill to
be Type 1 granular material.
Type B CL505 free draining uniformly
readily compactable material free from
rubbish and organic matter, frozen soil,
clay lumps and large stones, to be
compacted by an approved method in
layers not exceeding 150mm thick.

175mm thick C20P concrete slab, with expansion
joints provided every 6m. Reinforced with one
sheet A393 mesh 50 from the top.

Class 'S' fill and surround in accordance
with 'Sewers For Adoption' 5th Edition
and the Water Authorities Association
Information and Guidance Note No
4-08-01 March 1988

Class A
Less Than 1200mm
Under carriageway 900mm
under open space.



Type B CL505 free draining uniformly
readily compactable material free from
rubbish and organic matter, frozen soil,
clay lumps and large stones, to be
compacted by an approved method in
layers not exceeding 150mm thick.

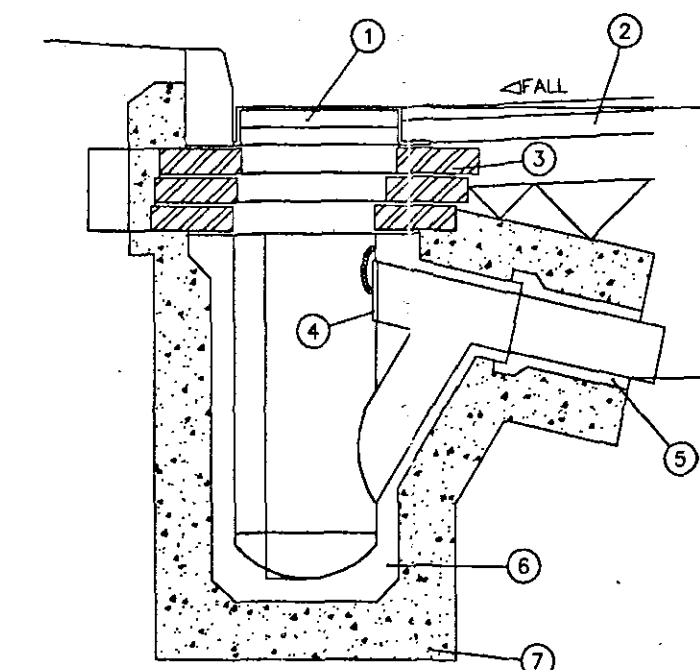
150mm lightly compacted bedfill.

Class 'S' fill and surround in accordance
with 'Sewers For Adoption' 5th Edition
and the Water Authorities Association
Information and Guidance Note No
4-08-01 March 1988

Class S
More Than 1200mm

BEDDING SPECIFICATION
Class S bedding material is to be graded in
accordance with IGW No. 4-08-01.

ROAD GULLY Scale 1:20



(1). Grade A heavy duty cover & frame to
BS EN 124: Class D400; Spec. Cl. 5.9.4
set to crossfall and 3mm low,
bedded on Class 1 mortar to 1:15.

(2). Carriageway construction.

(3). Min. 1; max. 4 courses Class B
Engineering brickwork to BS.3921 laid
with Class 1 mortar.
Corbelling not to exceed 30mm.

(4). Stopper.

(5). 150mm dia. connection with 150mm
thick Class ST3 concrete surround.
Flexible joints to be provided
in front of each collar.

(6). 450mm internal dia. 750mm deep
precast concrete trapped gully pot
to BS.5911:Pt2:1982 complete with
stopper and chain.
(Sulphate resistant)

(7). 150mm thick Class ST3 concrete
bed and surround.

Block Paving [80mm]

Sand Bedding [50mm]

900 long x 50 thick pcc slab on edge; cut to suit; supported by 2 heavy duty steel road pins at max. 500mm spacing.

Stone embanking with 150mm topsoil over.

French Drain [as detail]

Cellweb Tree Root Protection System (200mm Dee)

Existing Ground

40/20mm Clean Angular Stone

Fibretex F4M Geotextile Separation Fabric

ENSURE Pins are secured in firm ground

Geosynthetics Ltd
Fleming Road, Harrowby Industrial Estate,
Harrowby, Leicestershire, LE10 3DU
Tel: 01455 87139 Fax: 01455 87140 www.geosyn.co.uk

**Cellweb Section - Tree Root Protection
c/w Block Paving Surface - MODIFIED**

DRAWN BY	SCALE	DATE	CHECKED BY
GS-CW-BP-200	NTS	06/05	APPROVED

PIPE BEDDING: Class A & S

NOTE
Under carriageway, bedfill to
be Type 1 granular material.

Type B CL505 free draining uniformly
readily compactable material free from
rubbish and organic matter, frozen soil,
clay lumps and large stones, to be
compacted by an approved method in
layers not exceeding 150mm thick.

175mm thick C20P concrete slab, with expansion
joints provided every 6m. Reinforced with one
sheet A393 mesh 50 from the top.

Class 'S' fill and surround in accordance
with 'Sewers For Adoption' 5th Edition
and the Water Authorities Association
Information and Guidance Note No
4-08-01 March 1988

Class A
Less Than 1200mm
Under carriageway 900mm
under open space.

Type B CL505 free draining uniformly
readily compactable material free from
rubbish and organic matter, frozen soil,
clay lumps and large stones, to be
compacted by an approved method in
layers not exceeding 150mm thick.

150mm lightly compacted bedfill.

Class 'S' fill and surround in accordance
with 'Sewers For Adoption' 5th Edition
and the Water Authorities Association
Information and Guidance Note No
4-08-01 March 1988

Class S
More Than 1200mm

BEDDING SPECIFICATION
Class S bedding material is to be graded in
accordance with IGW No. 4-08-01.

ROAD GULLY Scale 1:20

(1). Grade A heavy duty cover & frame to
BS EN 124: Class D400; Spec. Cl. 5.9.4
set to crossfall and 3mm low,
bedded on Class 1 mortar to 1:15.

(2). Carriageway construction.

(3). Min. 1; max. 4 courses Class B
Engineering brickwork to BS.3921 laid
with Class 1 mortar.
Corbelling not to exceed 30mm.

(4). Stopper.

(5). 150mm dia. connection with 150mm
thick Class ST3 concrete surround.
Flexible joints to be provided
in front of each collar.

(6). 450mm internal dia. 750mm deep
precast concrete trapped gully pot
to BS.5911:Pt2:1982 complete with
stopper and chain.
(Sulphate resistant)

(7). 150mm thick Class ST3 concrete
bed and surround.

LINCOLNSHIRE COUNTY COUNCIL

All Specification Clauses relating to S.38 construction works are taken
from 'Development Road Specification & Construction Guide 2005'
produced by Lincolnshire County Council.

BACK OF FOOTWAY LEVELS:
Please note that levels shown on the back of footway relate to a full
faced kerb. Lincolnshire Highways require that the back of footway be
lowered at vehicular crossings in accordance with detail drawing
Ref. Clause 1.6(A).

KERB FACES:
Full-faced pcc kerb = 110mm
Full-faced blockwork kerb = 100mm
Vehicular Crossing = 25mm
Pedestrian Crossing = 25mm or flush if adj. tactile paving.

BLOCKWORK:
Blockwork areas are to be Marshalls 200x100x80mm blocks in Brindle
colour with twin stretcher course around entire area.

Single stretcher course to be laid around all ironwork i.e. gullies and
manhole covers.

STAFFORD
LAWING & DEVELOPMENT
15 FEB 2007
0204/07

Date Revisions

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Job Title
Seas End Road
Moulton Seas End
Spalding
Lincs.

Drawing Title
Construction Details
Sheet 1

DETERMINE
PLAN

Date Sept '06 Scale NTS Drawn TS

Drg. No. 1439-06-14 Rev.
8383-300