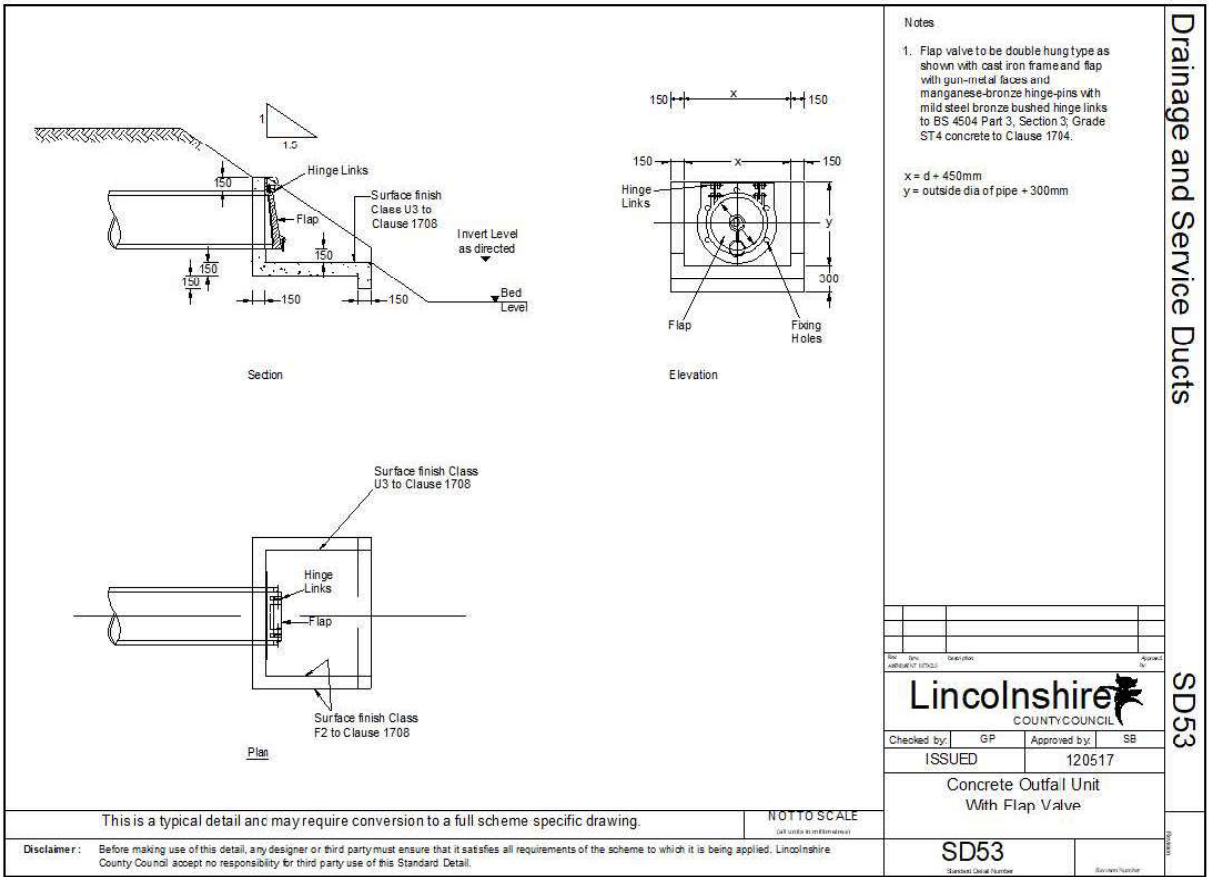
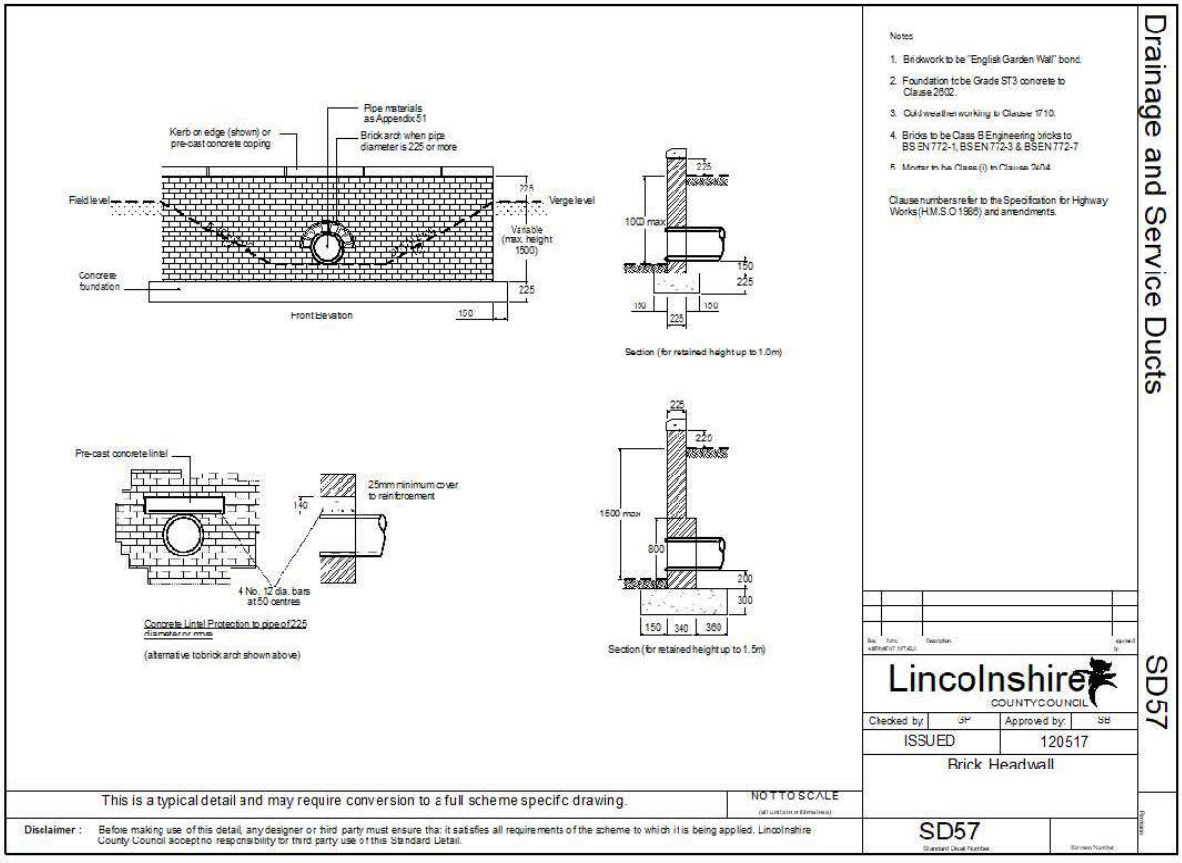

Drainage and Service Ducts
SD53
Notes
1. Flap valve to be double hung type as shown with cast iron frame and flap with gun-metal faces and manganese-bronze hinge-pins with mild steel bronze bushed hinge links to BS 4504 Part 3, Section 3; Grade ST4 concrete to Clause 1704.
x = d + 450mm
y = outside dia of pipe + 300mm
1
1.0
Hinge Links
150
Surface finish Class U3 to Clause 1708
Flap
Invert Level as directed
150
150
150
150
Bed Level
Section
150
x
150
Hinge Links
y
300
Flap
Fixing Holes
Elevation
Surface finish Class U3 to Clause 1708
Hinge Links
Flap
Surface finish Class F2 to Clause 1708
Plan
Lincolnshire COUNTY COUNCIL
Checked by: GP
Approved by: SB
ISSUED
120517
Concrete Outfall Unit With Flap Valve
SD53
This is a typical detail anc may require conversion to a full scheme specific drawing.
NOTTO SCALE
Disclaimer : Before making use of this detail, any designer or third party must ensure that it satisfies all requirements of the scheme to which it is being applied. Lincolnshire County Council accept no responsibility for third party use of this Standard Detail.


Drainage and Service Ducts
SD57
Notes
1. Brickwork to be "English Garden Wall" bond.
2. Foundation to be Grade ST3 concrete to Clause 2602.
3. Cold weather working to Clause 1710.
4. Bricks to be Class B Engineering bricks to BS EN 772-1, BS EN 772-3 & BS EN 772-7
Clause numbers refer to the Specification for Highway Works (H.M.S.O 1986) and amendments.
Pipe materials as Appendix 51
Kerb on edge (shown) or pre-cast concrete coping
Brick arch when pipe diameter is 225 or more
Field level
Verge level
Variable (max. height 1500)
Concrete foundation
225
Front elevation
100
225
100 max
150
225
100
225
Section (for retained height up to 1.0m)
Pre-cast concrete lintel
25mm minimum cover to reinforcement
150
4 No. 12 dia. bars at 50 centres
Concrete Lintel Protection to pipe of 225 diameter or more
(alternative to brick arch shown above)
225
225
1500 max
800
200
300
150
340
360
Section (for retained height up to 1.5m)
Lincolnshire COUNTY COUNCIL
Checked by: GP
Approved by: SB
ISSUED
120517
Brick Headwall
SD57
This is a typical detail and may require conversion to a full scheme specifc drawing.
NOTTO SCALE
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