

notes :

- IF THIS DRAWING HAS BEEN RECEIVED ELECTRONICALLY IT IS THE RECIPIENTS RESPONSIBILITY TO PRINT THE DOCUMENT TO THE CORRECT SCALE
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS
- ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

KEYPLAN



P1	Preliminary Issue	19.01.22	JF	WFF
REV.	DESCRIPTION	DATE	DRW.	CHK.


Manchester University
NHS Foundation Trust

APPOINTED PARTY LOGO/INFORMATION



PROJECT

Wythenshawe Hospital -
CSB Switchboard Replacement

TITLE

Clinical Science Building -
Proposed Switch Rooms & Generators
External Works Details - (Option 02)

STATUS	PURPOSE OF ISSUE
S1	For Information

DRAWN BY	CHECKED BY	DATE
JF	WFF	Jan. '22

SCALE (@A1) As Shown	PROJECT NUMBER 21-2127
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FILE DRAWING NUMBER 212127 - CCS - S1 - XX-DR - S - 0810	REV. P1
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Preliminary Issue - For Discussion Purposes Only

- Carriageway Construction:**
- SMA 10 CW Surf 40/60 HS EN13108-5 35mm Thk.
 - AC 20 Dense Bin 40/60 NS EN13108-1 50mm Thk.
 - AC 32 Dense Base 40/60 NS EN13108-1 75mm Thk.
 - AC 32 Dense Base 40/60 NS EN13108-1 75mm Thk. Well
 - Compacted Subgrade (Existing)
 - (Min. CBR 5% - If this is Unachievable then a 150mm 6F2 Capping to be Added as First Layer)

125x255 PCC Half Battered Kerb Bedded on & Backed with 150 Class ST4 Concrete

Footway Construction:

- Surface - 20mm thk 0/6mm Size DSC to BS4987 Pt1 C.L. 6.5 100/150 Pen Bitumen
- Binder - 60mm thk 0/20mm Size DBC to BS4987 Pt1 C.L. 6.5 100/150 Pen
- Sub-Base - 100mm Granular Type 1

Typical Half-Battered Kerb Edge Detail

Scale 1:20

- SMA 10 CW Surf 40/60 HS EN13108-5 35mm Thk
AC 20 Dense Bin 40/60 NS EN13108-1 50mm Thk
AC 32 Dense Base 40/60 NS EN13108-1 75mm Thk

Granular Sub Base Type 1 300mm Thk
(Well Compacted in Max. 150mm thk Layers)

Well Compacted Subgrade (Existing)
(Min. CBR 5% - If this is Unachievable then a 150mm 6F2 Capping to be Added as First Layer)

Typical Car Park Build Up

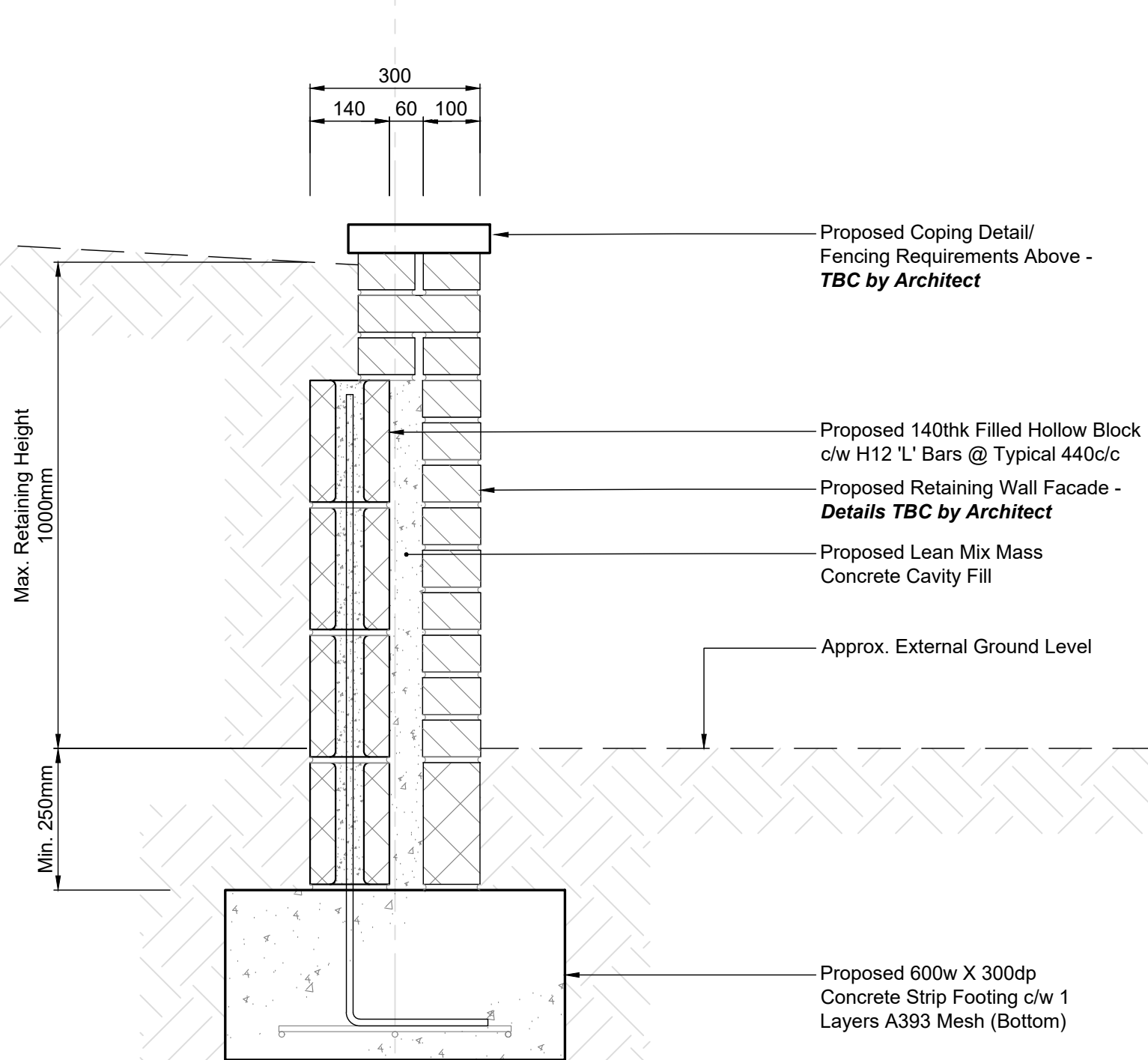
Scale 1:10

- Surface - 20mm thk 0/6mm Size DSC to BS4987 Pt1 C.L. 6.5 100/150 Pen Bitumen
Binder - 60mm thk 0/20mm Size DBC to BS4987 Pt1 C.L. 6.5 100/150 Pen
Sub-Base - 100mm Granular Type 1

Well Compacted Subgrade (Existing)
(Min. CBR 5% - If this is Unachievable then a 150mm 6F2 Capping to be Added as First Layer)

Typical Footway Build Up

Scale 1:10



Typical 'Filled Hollow Block' Retaining Wall

Scale 1:10

- Carriageway Construction:**
- SMA 10 CW Surf 40/60 HS EN13108-5 35mm Thk.
 - AC 20 Dense Bin 40/60 NS EN13108-1 50mm Thk.
 - AC 32 Dense Base 40/60 NS EN13108-1 75mm Thk.
 - AC 32 Dense Base 40/60 NS EN13108-1 75mm Thk. Well
 - Compacted Subgrade (Existing)
 - (Min. CBR 5% - If this is Unachievable then a 150mm 6F2 Capping to be Added as First Layer)

125x150 PCC Bullnosed Kerb Bedded on & Backed with 150 Class ST4 Concrete

Footway Construction:

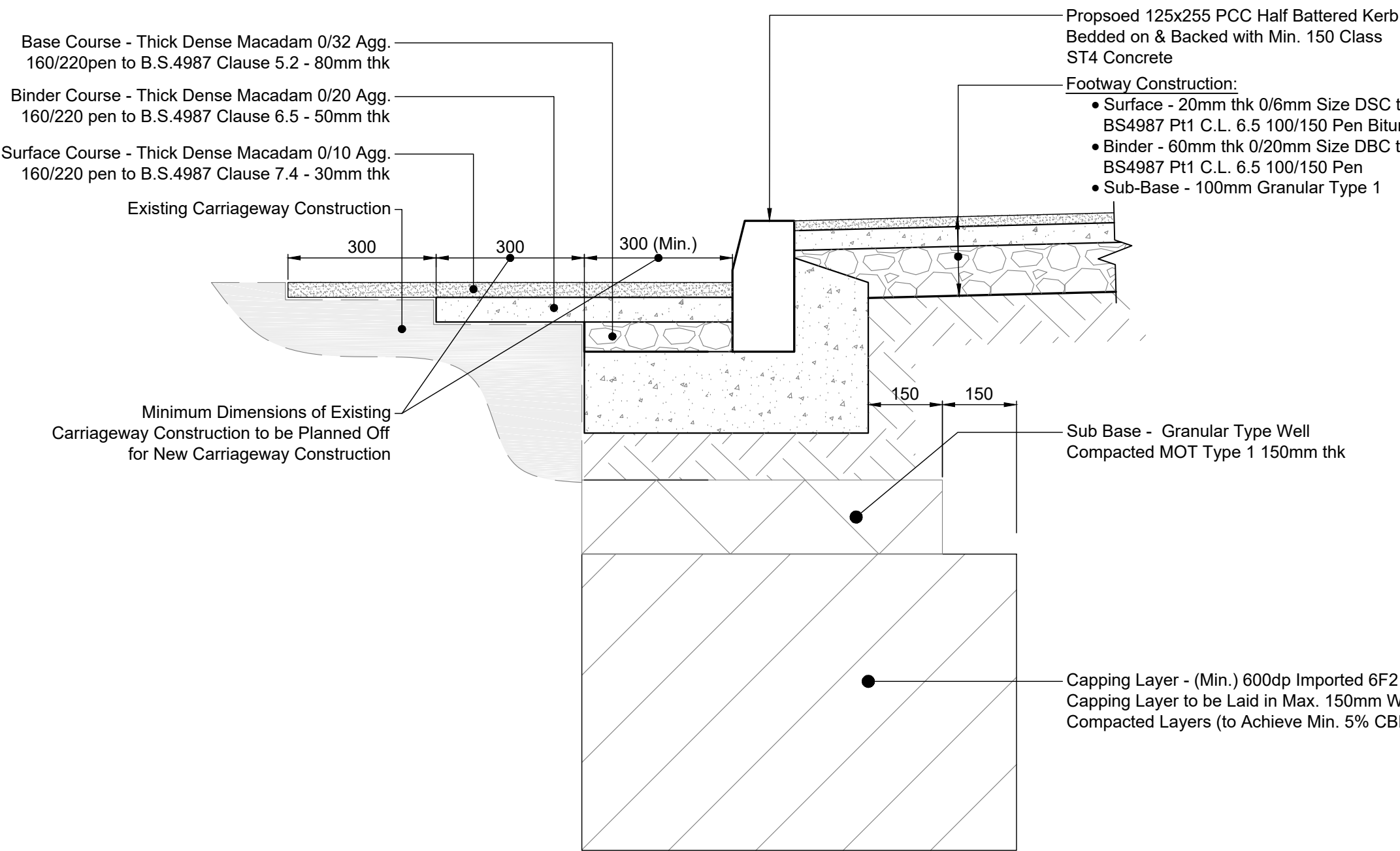
- Surface - 20mm thk 0/6mm Size DSC to BS4987 Pt1 C.L. 6.5 100/150 Pen Bitumen
- Binder - 60mm thk 0/20mm Size DBC to BS4987 Pt1 C.L. 6.5 100/150 Pen
- Sub-Base - 100mm Granular Type 1

Note:

The Kerb Face for Vehicular Dropped Crossings = 20mm
The Kerb Face for Pedestrian Dropped Crossings = Max. 6mm

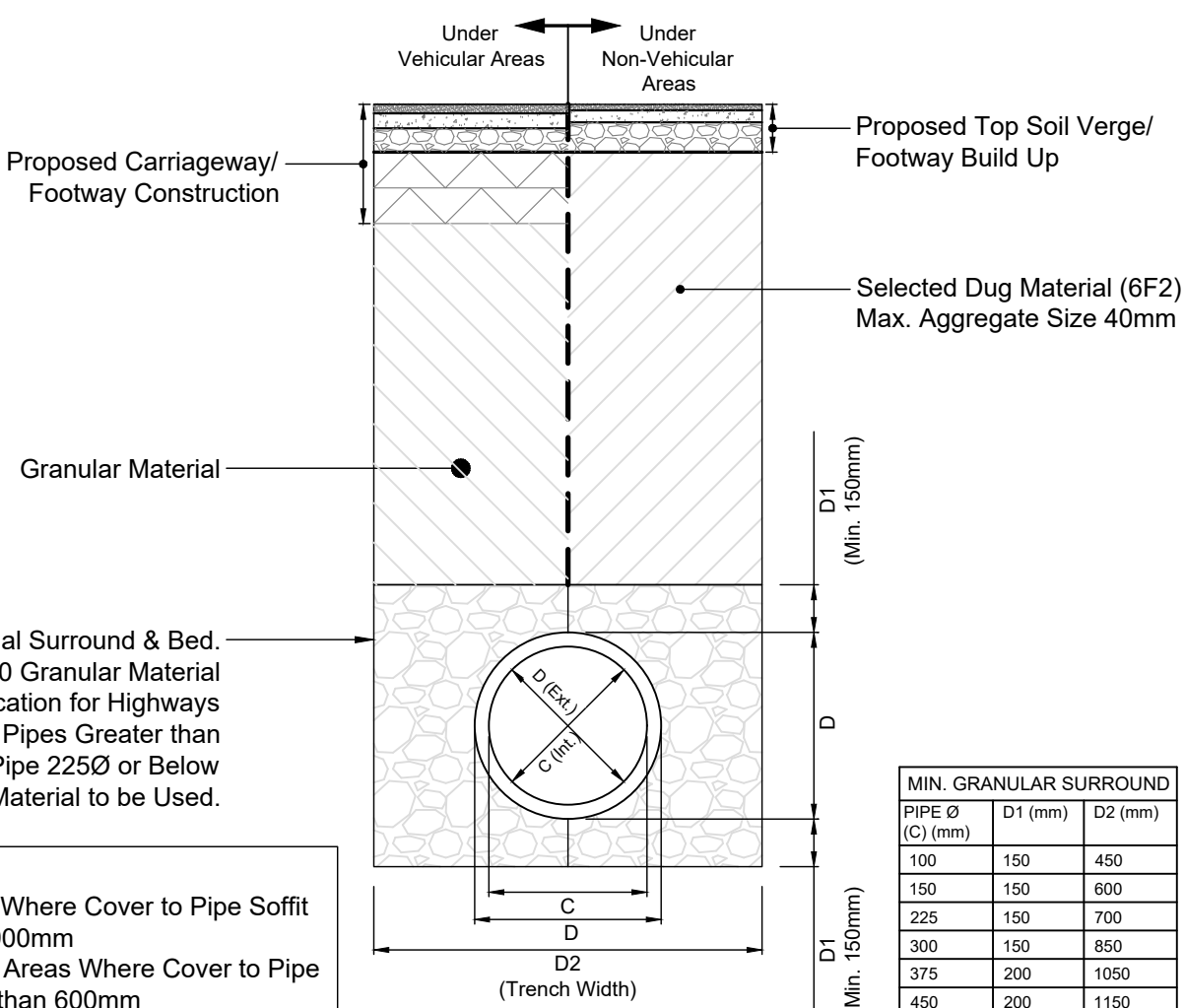
Typical Bull-Nosed Kerb Edge Detail

Scale 1:20



Proposed Kerb Replacement/ Existing Carriageway Interface Detail

Scale: 1:10



To be Used Under:

- Vehicular Areas Where Cover to Pipe Soffit is Greater than 900mm
- All Non-Vehicular Areas Where Cover to Pipe Soffit is Greater than 600mm

Note:

All Pipework to Have Flexible Couplings.

Proposed Class 'S' Bedding & Surround

(To Be Used for Plastic, Vitrified Clay & Concrete Pipework)

Scale 1:25

Footway Construction:

- Surface - 20mm thk 0/6mm Size DSC to BS4987 Pt1 C.L. 6.5 100/150 Pen Bitumen
- Binder - 60mm thk 0/20mm Size DBC to BS4987 Pt1 C.L. 6.5 100/150 Pen
- Sub-Base - 100mm Granular Type 1

Flat Top 50x200 PCC Edging Bedded on & Backed with 150 Class ST4 Concrete

Scale 1:10

Typical 'Pin Kerb' Edging Detail

Typical Highway Construction

Class D Grating & Frame in Heavy Vehicular Areas
(to BS497) & Class C Grating & Frame in Medium
Vehicular Areas (to BS497). Grating & Frame Shall be
set 15mm Below Finished Road Level at Kerb Edge &
5mm Below Finished Road Level at Front of Grating.

Typical Kerb Detail c/w Class 1 Mortar Joint
Between Kerb & Gully Cover Frame

Typical Footway Construction

1-3 Courses 225 Class B Engineering Brickwork
(to BS3921) with Class 1 Mortar, Corbelled as
Necessary (Laid in English Bond)

Plastic Stopper & Chain

600x450 Precast Concrete Gully

Double Rocker Pipe with Flexible
Couplings & Class Z (ST4) Concrete

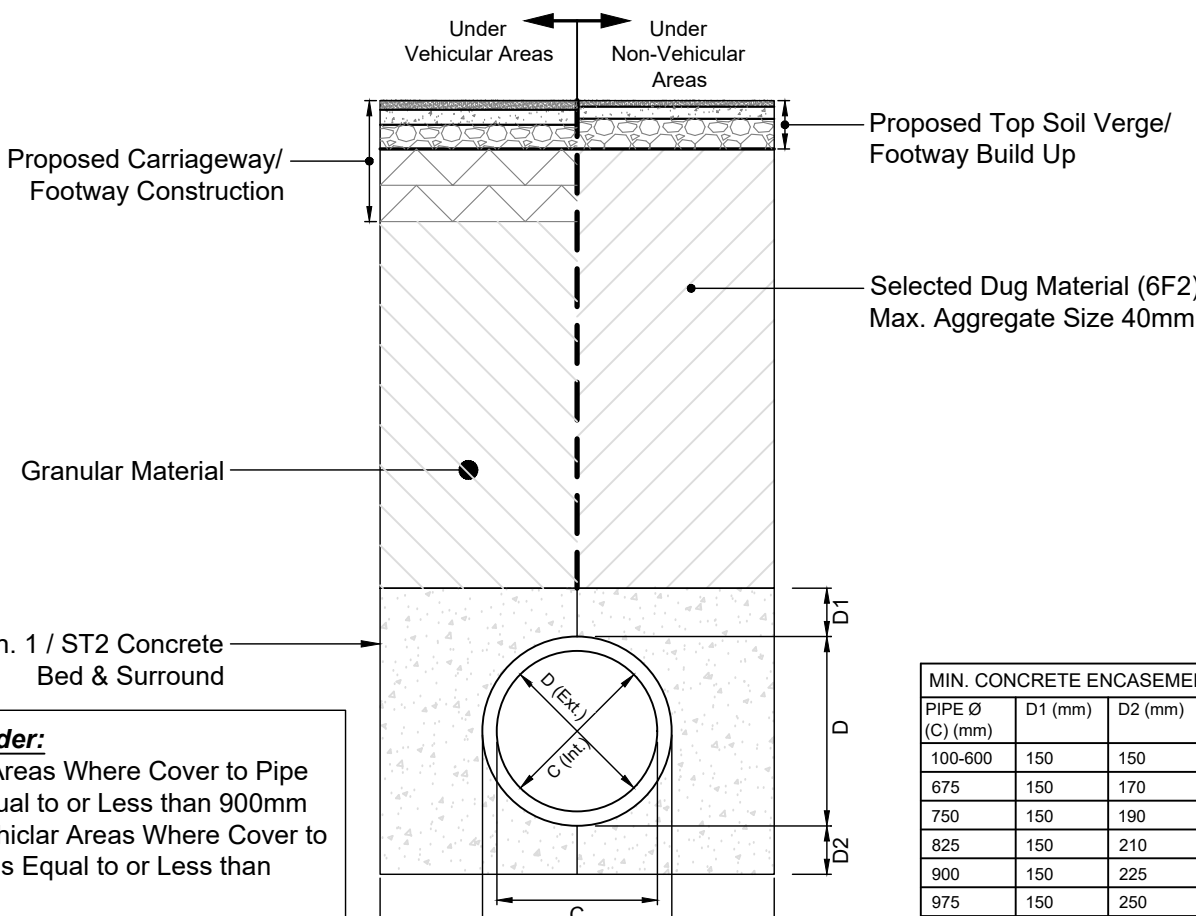
Bed & Surround to Pipe

Granular Fill Material

150dp ST4 Concrete Base

Typical Highway Gully Detail

Scale 1:20



To be Used Under:

- Vehicular Areas Where Cover to Pipe Soffit is Equal to or Less than 900mm
- All Non-Vehicular Areas Where Cover to Pipe Soffit is Equal to or Less than 600mm

Note:

All Pipework with Class Z (Gen 3/ ST4)
Concrete Surround Shall Have Flexible
Couplings with Flexi-Boards on All Joints.

Proposed Class 'Z' Bedding & Surround

(To Be Used for Plastic, Vitrified Clay & Concrete Pipework)

Scale 1:25