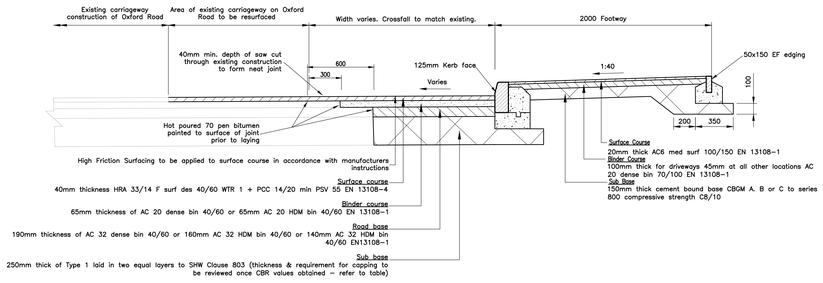
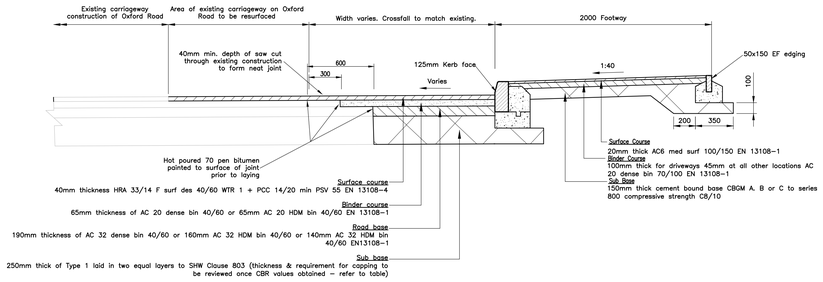
## Figure 1 – Sub-base & Capping Thicknesses

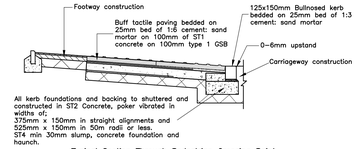
| C.B.R Value | Capping | Sub-base |
|---|---|---|
| <2% | 600mm | 150mm |
| 2% – 5% | 400mm | 150mm |
| >5% | Not required | 250mm |



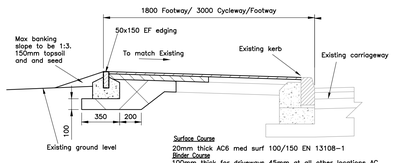

Typical cross section through Oxford Road widening (Approaches to signals)
Scale 1:20




Typical cross section through Oxford Road widening (Elsewhere)
Scale 1:20

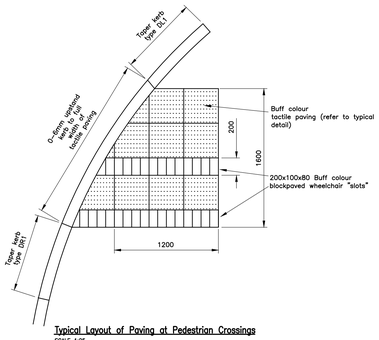



Typical Section Through Pedestrian Crossing Point
SCALE 1:25

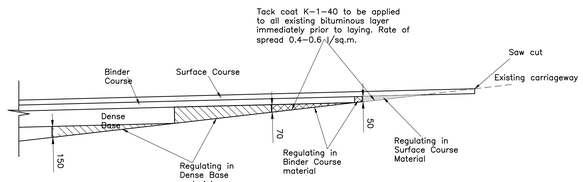



Surface Course
20mm thick AC6 med surf 100/150 EN 13108–1
Binder Course
100mm thick for driveways 45mm at all other locations AC 20 dense bin 160/220 EN 13108–1
Sub Base
150mm thick cement bound base CBGM A, B or C to series 800 compressive strength C8/10
Note:
Extents of widening to match drg 20488_03_005.

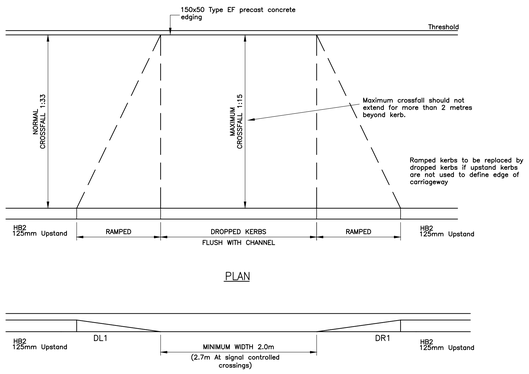
Typical section through footway widening
Scale 1:20



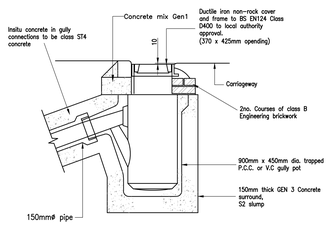

Typical Layout of Paving at Pedestrian Crossings
SCALE 1:25




CARRIAGEWAY REGULATING DETAIL
SCALE 1:20

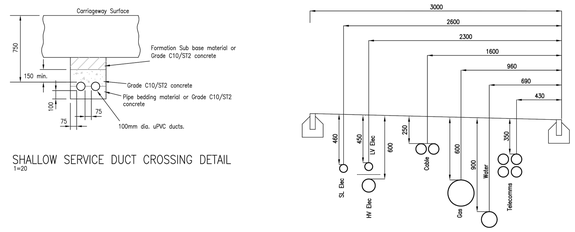



Pedestrian Crossing
SCALE 1:25



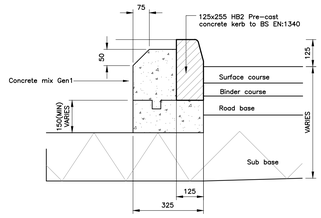

Typical Gully Detail
Scale 1:20

**Notes**
1. To be constructed in accordance with cl.6.23
2. Top of concrete surround to finish flush with gully pot. Concrete surround to be vibrated.

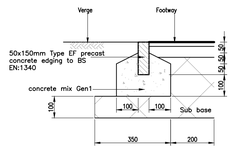



SHALLOW SERVICE DUCT CROSSING DETAIL
1:20

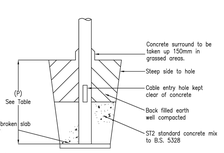
DISPOSITION OF SERVICES IN FOOTWAYS
1:20




Half Battered Kerb 125x255 HB2
SCALE 1:10




Footway edging 50x150 EF
Scale 1:10

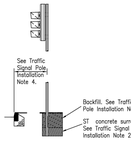



NOTES
1. All Street Lighting and Illuminated Sign works shall comply with Oxfordshire County Council's Specification and shall be to the agreement of the Engineer.

Nominal Planting Depths (P)

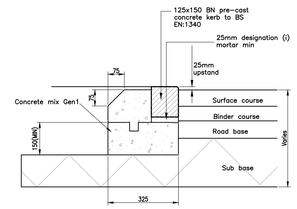
| COLUMN MOUNTING HEIGHTS | PLANTING DEPTHS |
|---|---|
| 6.0m | 1.0m |
| 8.0m | 1.2m |
| 10.0m | 1.5m |

ROAD LIGHTING COLUMN ERECTION DETAILS
Not to Scale

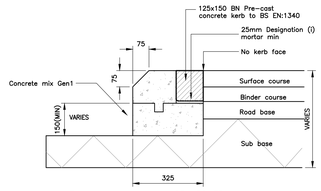



INSTALLATION OF TRAFFIC SIGNAL POLE
Not to Scale
**Note: Traffic signal pole to have a retention socket system. Details to be as per NAL Ltd's RS115 with duckfoot base or similar approved.**

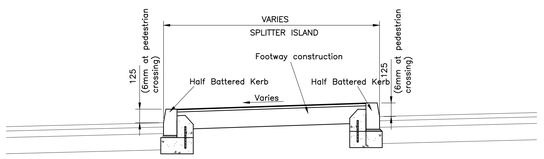
Notes for traffic signal pole installation
1. Excavate to depth of 700mm.
2. Concrete backing to be ST concrete to Cl. 2602 up to opening.
3. Backfill with sand and gravel to underside of pavement level.
4. N.B. Care must be taken to ensure that cable opening is correctly aligned with the pole box. Exact distance from pole centre to kerb edge to be determined on site.
5. Traffic signal heads shall be in accordance with BS EN 12368:2000 and TA 82/99 of the DMRB.



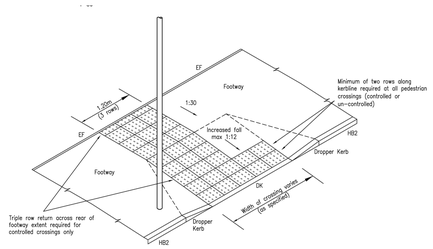

Bullnosed kerb 125x150 BN
Scale 1:10



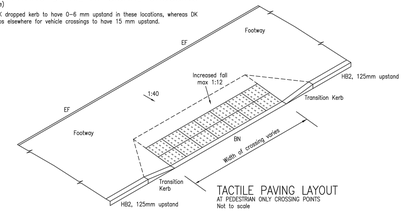

Flush bullnosed kerb 125x150 FBN
SCALE 1:10 ( TO BE USED AT PEDESTRIAN CROSSING )



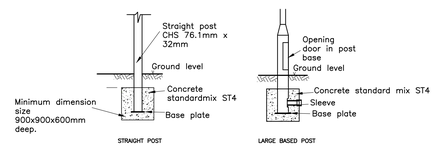

TYPICAL REFUGE SECTION
SCALE 1:20




TACTILE PAVING DETAIL AT SIGNAL CROSSING
(not to scale)
Note that DK dropped kerb to have 0–6 mm upstand in these locations, whereas DK dropped kerbs elsewhere for vehicle crossings to have 15 mm upstand.




TACTILE PAVING LAYOUT
AT PEDESTRIAN ONLY CROSSING POINTS
Not to scale




TRAFFIC SIGN POST/BUS STOP FOUNDATION DETAIL
SCALE 1:20

**Notes**
1. All dimensions are in millimetres unless stated otherwise.
2. Concrete beds to kerbs vibrated and the surface roughened to provide a key for backing. Adequate bond shall be provided between foundation and haunch by steel reinforcement hoops at 900mm centres or similar approved.
3. All kerbs to be laid on a 25mm bed of class 1 sand/cement mortar.
4. Kerbs to be laid in smooth vertical and horizontal alignments. For curves of radius 12m or less precast kerbs of appropriate radius shall be used.
5. CBR tests shall be carried our prior to construction to determine the need for a capping layer and the thickness of sub–base.
6. Sulphate resisting cement products to be used throughout for drainage works.
7. The frames to gully pots shall be bedded on a full mortar bed of 1:3 cement/sand mortar. They shall be accurately set for the level and positioned on at least 1 course of engineering bricks, so that the top of the frame will normally be set below the finished channel level. The allowable tolerance shall be 0 to –5mmm.
8. Brickwork shall comply with BS 3921:1995 for Class B engineering bricks, set on 1:3 cement/sand mortar.
9. All adoptable highway works within the Section 278 Agreement shall be constructed in accordance with Oxfordshire County Council's Road Construction Guide.
10. All trenches within the adoptable areas shall be backfilled with Type 1 sub base.

| REV. | AMENDMENTS | DRN | CHK | DATE |
|---|---|---|---|---|
| E | Note added to traffic signal pole detail | MJK | EM | 20.06.13 |
| D | Note added to footway widening detail | MJK | EM | 18.06.13 |
| C | Oxford Road widening details amended | PT | AB | 15.06.13 |
| B | Amendments following local authority comments | PT | AB | 08.06.13 |
| A | Amendments following local authority comments | PT | AB | 30.07.13 |

PROJECT:
LONGFORD PARK
BODICOTE
BANBURY

DRAWING TITLE:
WEEPING CROSS
SECTION 278
HIGHWAY CONSTRUCTION DETAILS

CLIENT:
BARRATT HOMES, BOVIS HOMES
TAYLOR WIMPEY

DRAWING NUMBER:
20488_03_008

| REVISION: | SHEET SIZE: | DATE: |
|---|---|---|
| E | A0 | 06.06.13 |
| DRAWN BY: | CHECKED BY: | SCALE: |
| JP | PT | AS SHOWN |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