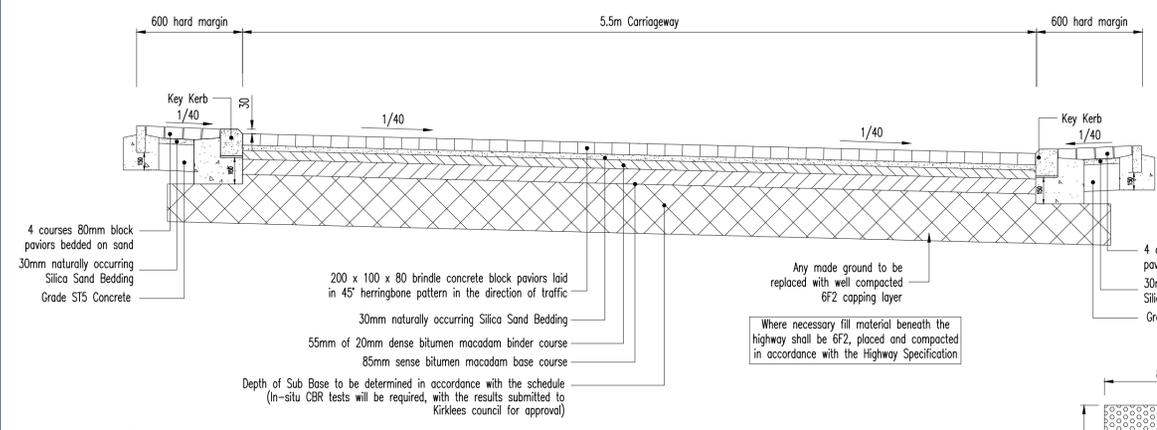
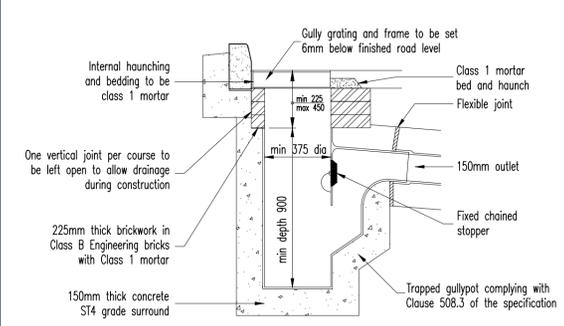


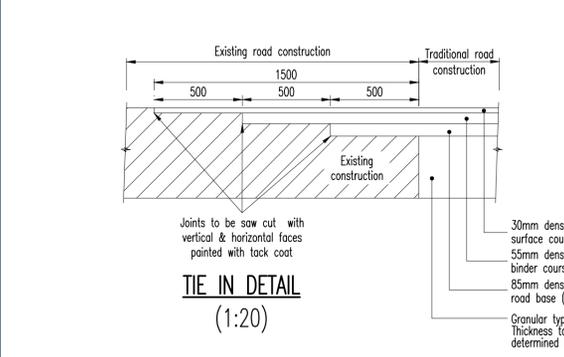
TYPICAL TRADITIONAL ESTATE ROAD DETAIL
(BASED ON 2% CBR)
(1:20)



SHARED SURFACE/MEWS COURT ROAD
(1:20)



TYPICAL ROAD GULLY DETAIL
(1:20)



TIE IN DETAIL
(1:20)

Any made ground to be replaced with well compacted 6F2 capping layer

Where necessary fill material beneath the highway shall be 6F2, placed and compacted in accordance with the Highway Specification

Depth of Sub Base to be determined in accordance with the schedule (in-situ CBR tests will be required, with the results submitted to Kirklees council for approval)

Gully gratings and frames shall comply with the requirements of BS EN124, Class D400, manufactured in ductile iron. Pedestrian covers are to be used on shared surface streets

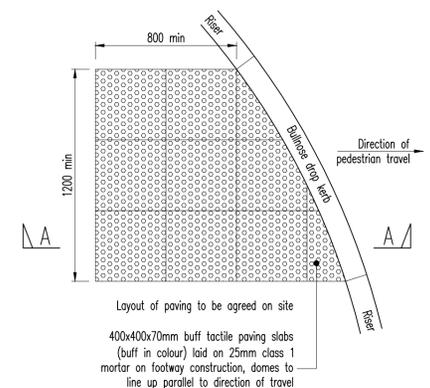
Gratings and frame shall be single piece with an anti theft captive hinge and shall be hinged to close with the direction of traffic flow

Gratings shall have 100mm deep frame

Gratings and frames shall be coated with black bitumen

Minimum clear opening between gully pot and gully frame to be 370mm x 430mm in any direction. Trapped gully pot manufactured in pre-cast concrete

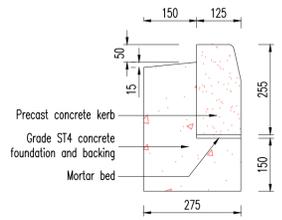
Gully grating and frame must be located centrally over the gully pot



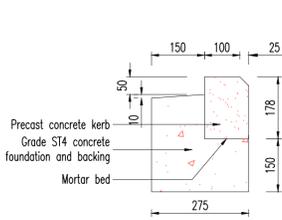
PLAN ON TACTILE CROSSING
(1:20)

NOTES

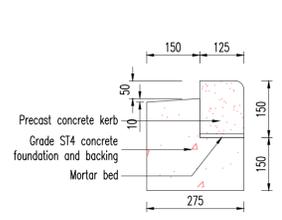
- Edge flags (cut) shall be not less than 1/2 flag in width.
- K15 kerbs to be set flush to channel blocks except where backfall to ramp is unavoidable - if so set k15 kerbs 6mm above channel blocks for drainage purposes. Channel blocks shall not be provided if carriageway surfacing is not included in the works.
- Where PC/N reference used 'N' refers to number of kerbs type k15. (min to be n=1.5)
- Tactile area shall be paved in buff tactile blocks to same layout and area, if so specified in the contract
- Where adjacent flags are buff, tactile flags to be in contrasting colour other than red.
- In certain situations a single row of tactile flags may be required, refer to scheme general arrangement drawing.
- Where the back edge is not parallel to the kerb (ie the crossing itself is not at right angles to the kerb) the tactile surface not be less than 800mm in depth at any point.



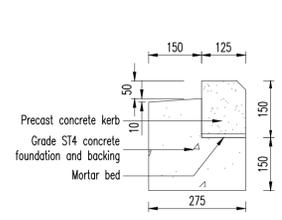
HALF BATTERED KERB
(1:10)



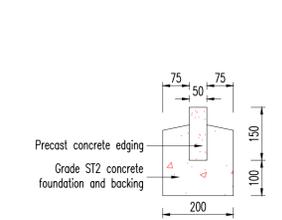
HALF BATTERED DROPPED KERB/CENTRE KERB (VEHICULAR CROSSINGS)
(1:10)



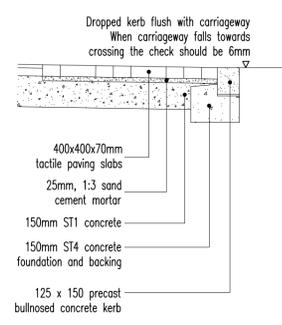
K15 BULLNOSE KERB (PEDESTRIAN DROPPED CROSSINGS)
(1:10)



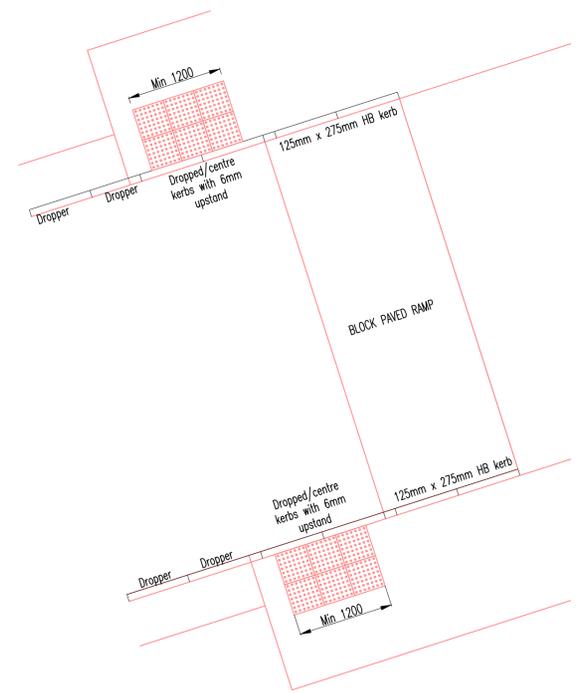
KEY KERB
(1:10)



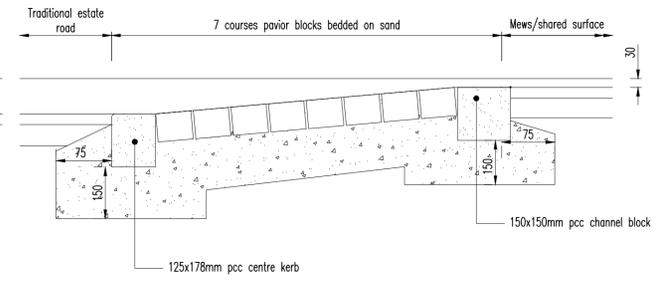
E1/100 EDGING
(1:10)



SECTION A-A THROUGH CROSSING
(1:20)



PLAN OF TACTILE CROSSING PAVING
(1:50)



RAMP DETAIL
(1:10)

Pavement Foundation Design Table

A granular foundation comprising sub-base or a combination of sub-base and a capping layer shall be provided in accordance with the table below.

PAVEMENT FOUNDATION DESIGN			
CBR %	Capping (mm)	Sub-base (mm)	Sub-base (mm)
Less than 2	600	+ 150	-
2	450	+ 150	-
3	350	+ 150	300
4	300	+ 150	or 275
5-15	250	+ 150	225
Greater than 15	-	-	150

NOTES

SUBJECT TO THE APPROVAL OF ALL RELEVANT AUTHORITIES
DO NOT SCALE ORIGINAL DRAWING SIZE A1

- Notes
- This drawing is to be read in conjunction with all relevant OEC consulting engineers and Architects drawings and project specifications.
 - All adoptable road works shall be constructed in accordance with the Highway Authority's Recommendations and Specifications and to the satisfaction of the Engineer, KDC.
 - All highway works are to be subject of a Section 38 / 278 Agreement of the Highways Act 1980.
 - All public sewers to comply with the requirements of the Water Authorities publication "Sewers for Adoption 6th Edition" together with any additional specific requirements of the drainage authority.
 - All public sewers are to be the subject of a Section 104 Agreement of the Water Industry Act 1991.
 - Dropped kerbs and tactile pavings are required at the junctions to facilitate the movement of wheelchairs etc. The dropped kerbs to be laid with a 0-6mm upstand depending on x-falls towards or away from kerb.
 - Adoptable sewers are not to be constructed under or within 1.0 metres of any footpath/ kerb line / service strip.
 - Gully positions shown are subject to adjustment on site to ensure full drainage and the absence of ponding.
 - All gully/s/ gully leads and highway drains to be clay or concrete.
 - Bituminous Materials produced shall comply with BS EN 13108 Series, the material shall be laid and compacted in accordance with BS-594987.
 - Any coated base material in carriageway left exposed for more than seven days to be sealed using bituminous sealing grit.
 - Highway boundary to be indicated by back edgings laid flush or channel blocks into private drives.
 - All vertical faces of joints involving flexible materials shall be treated with "Oxy-bit" or other approved joint sealant. This includes ironwork, and precast products.
 - Any final surfacing to be discussed with the Highways Authority.
 - Unsealed and loose material such as crushed stone, gravel or pebbles is not acceptable in or within 2m of the public highway.
 - No walls are to be constructed 1m from the highway drains located in gardens or grass verges.
 - All works within the public highway to be reinstated to the highway authority requirements.
 - No limestone aggregate is to be used in the binder course which is to be used as a running surface.
 - The contractor must allow for any fee's required for road and sewer opening permits, sewer connections and the appropriate applications.
 - All signs and road markings to comply with the 'Traffic Signs Regulations and General Directions 2002'.
 - Minimum offset of sign face from edge of carriageway is 450mm.
 - New sign positions to be agreed on site with Engineer from KDC.
 - Electrical feeds to illuminated signs taken from nearest Lighting column.
 - All sign posts to have reflective strips.

DEVELOPER MUST LIAISE WITH ALL STATUTORY UNDERTAKERS INCLUDING THE DRAINAGE AUTHORITY REGARDING THEIR APPARATUS AND ANY REQUIREMENTS THEY HAVE. ANY NEW SERVICES LAID OR EXISTING SERVICES DIVERTED MUST HAVE AT LEAST 150mm OF COVER FROM THE FORMATION LEVEL OF VEHICULAR CROSSING OR FOOTWAY CONSTRUCTION.

Rev	By	Date	Description	Chk
A	CG	31.07.23	Title block revised	WW
/	WW	13.12.19	Issued for approval	WW



Client: D NOBLE LTD
Project: FOREST ROAD, ALMONDBURY
Title: TYPICAL HIGHWAY CONSTRUCTION DETAILS

Scale	Drawn	Checked	Date
AS SHOWN	WW	WW	DEC.19
Drawing Status			
APPROVAL			
Job No.	Drawing No.	Revision	
116.009	04	A	