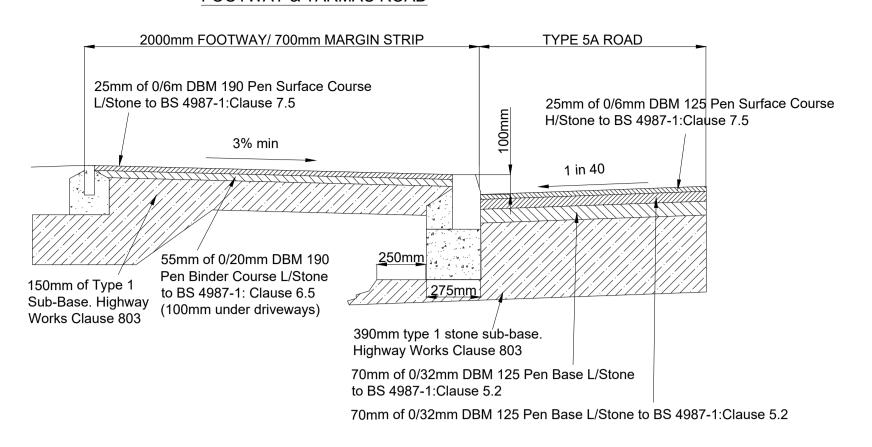
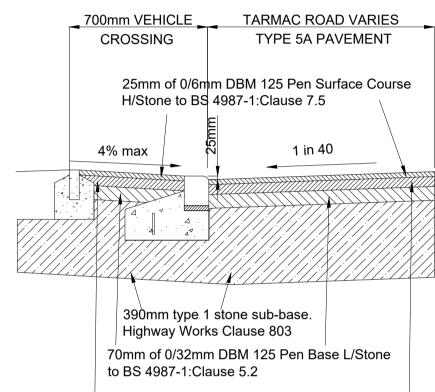
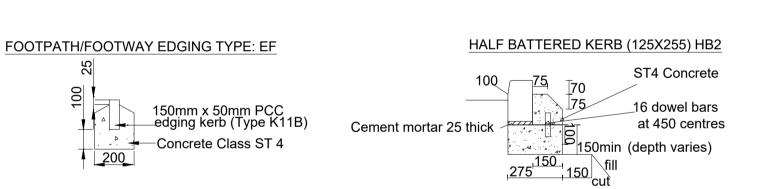
FOOTWAY & TARMAC ROAD



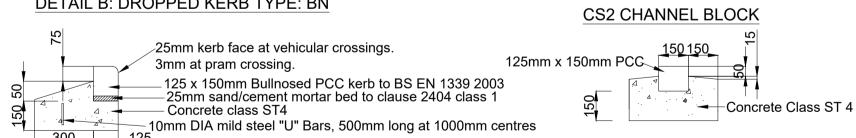
FOOTWAY & TARMAC ROAD



70mm of 0/32mm DBM 125 Pen Base L/Stone to BS 4987-1:Clause 5.2

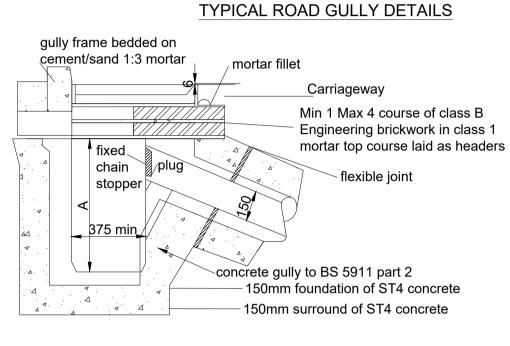






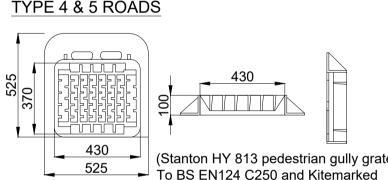
Minimum trench widths EN1610		
Pipe diameter	Supported trench	
Up to 225mm	Outside pipe diameter + 400mm	
225mm to 350mm	Outside pipe diameter + 500mm	
350mm to 700mm	Outside pipe diameter + 700mm	
700mm to 1200mm	Outside pipe diameter + 850mm	
Over 1200mm	Outside pipe diameter + 1000mm	

Szing of bed	Iding material IGN	4-08-01	
	Aggregate		
Pipe diameter	Nominal single sized	Graded	
Up to 100mm	10mm		
100mm to 150mm	10mm 14mm	14mm to 5mm	
150mm to 300mm	10mm 14mm 20mm	14mm to 5mm 20mm to 5mm	
300mm to 550mm	14mm 20mm	14mm to 5mm 20mm to 5mm	
Over 550mm	20mm 40mm	14mm to 5mm 20mm to 5mm 40mm to 5mm	

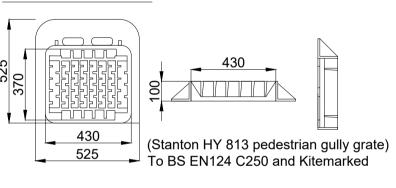


Gully grating frame to BS 497 ref. GB 325 and to be kitemarked

C250: GULLY GRATING AND FRAME:



TYPE 4 & 5 ROADS



PLACE OF BRICKWORK CONSTRUCTION IS PERMITTED.

DRAINS WITH FLEXIBLE BED AND SURROUND

NOTE: THE USE OF PRECAST CHAMBER UNITS TO E2.29 WITH 150mm GEN3 IN-SITU CONCRETE COMPLYING WITH E4.1 AND BRE SPECIAL DIGEST 1 IN

TYPICAL MANHOLE DETAIL - TYPE C

DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE LESS THAN 1.5m

MAXIMUM PIPE SIZE 450mm DIAMETER

RIGID MATERIAL CONSTRUCTION

1220mm x 685mm MULTIPLE DUCTILE

IRON COVER.

COVER COMPLYING WITH CLAUSE E2.32

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IN-SITU GEN3 CONCRETE COMPLYING -

WITH E4.1 AND BRE SPECIAL DIGEST 1

[△]0 △

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MINIMUM 20mm HIGH-STRENGTH

WITH CLAUSE E4.3 AND E6.5

ALL BRANCH CONNECTIONS

225mm TO BARREL OF PIPE

DOUBLE STEP RUNG -

E2.33

DRAINS WITH CONCRETE PROTECTION

DRAINS HAVE LESS THAN 1200mm COVER IF ADOPTED

OR LESS THAN 900mm IF NOT ADOPTED.

COMPLYING WITH CLAUSE

INTERNAL DIMENSIONS OF MANHOLE

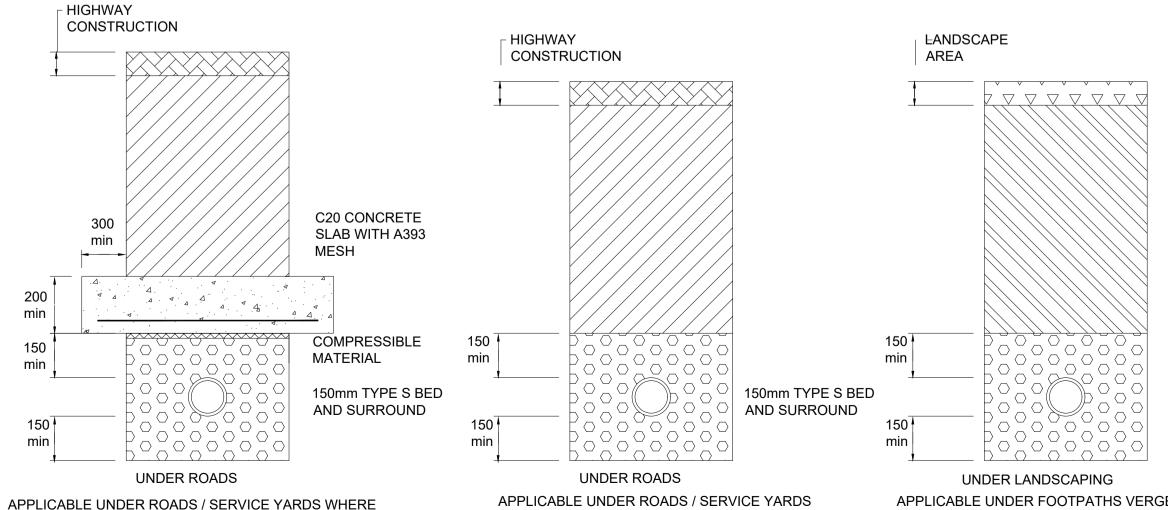
NORMALLY 1350mm BUT MANHOLE DIAMETER

SHOULD BE INCRESED FOR PIPES LARGER

THAN 450mm DIAMETER TO GIVE 225mm BENCHING IN ACCORDANCE WITH B5.2.29

CONCRETE TOPPING COMPLYING

NEATLY SHAPED AND FINISHED TO



WHERE DRAINS HAVE MORE THAN 1200mm

COVER IF ADOPTED OR MORE THAN 900mm IF

NOT ADOPTED.

APPLICABLE UNDER FOOTPATHS VERGES AND OTHER NON TRAFFICKED AREAS WHERE DRAINS HAVE MORE THAN 350mm COVER

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 All brick work within adoptable highway to be class B solid engineering bricks.

- MORTAR BEDDING AND

FRAME TO CLAUSE E6.7

HAUNCHING TO COVER AND

BRICKWORK OR CONCRETE

BLOCKS TO BE CORBELLED

TO SUIT COVER

(MAXIMUM 30mm PER COURSE)

PRECAST CONCRETE CHAMBER

SECTIONS COMPLYING WITH

CLAUSE E2.29 JOINTED WITH

MOPRTAR, ELASTOMERIC OR

WALL TO BE MINIMUM 125mm

BENCHING SLOPE TO BE

INVERTS TO BE FORMED USING

- JOINT TO BE AS CLOSE AS

POSSIBLE TO FACE OF MANHOLE

TO PERMIT SATISFACTORY JOINT

MINIMUM WIDTH OF BENCHING TO

SEE FIGURE B.13 AND CLAUSE **E6.6.2 FOR ROCKER PIPE DETAILS**

BE 225mm

AND SUBSEQUENT MOVEMENT

1:10 TO 1:30

150mm MINIMUM

CHANNEL PIECES.

PLASTOMERIC SEALS. CHAMBER

No water from private curtilages to discharge onto the

 150x150mm channel bocks are to be used when channel gradients are: Between 1:25% (1 in 80) and 0.67% (1 in 150) or greater than 10% (1:10) to prevent scouring. Between the layers on the tarmacadam roads a hot

tanker applied bitumen tack coat is required in accordance

with the specification for Highway Works, as follows: Binder classification and application details to CL.920 The binder shall be bitumen emulsion to BS 434: Part 1 The binder shall be class A1-40 or K1-40 Rate of spread shall be 0.3 to 0.5/m2 Permitted additives to binder: NONE

Blinding material: NONE. Hand lance to be used on footpaths and small areas. When the width of backfill, base or sub-base is less than 1.0m, concrete mix ST5 25 N/mm2 shall be used in lieu. The width of the concrete will vary from 0.0m to 1.0m; although in lieu of Sub-base under the kerbs, the width will not be less than total thickness of the full carriageway

construction. 100mm of surfacing is required on top of the

ST5 concrete mix. All utility services to be laid in accordance with the latest NJUG guidance publication.

 All vertical faces which abut tarmac surfacing to be painted with a tack-coat of 200pen bitumen. All Sub-Base depths subject to agreement with DMBC follow acceptance of the CBR testing results. If the ground is frost susceptible the minimum road construction depth will be

450mm, ground frost susceptibility to be confirmed by the

FOR APPROVAL

CLIENT

Geotechnical Engineer.

OAK AND PROSPER CONSTRUCTION LTD



PROJECT

PARK ROAD, WORSBROUGH

DRAWING TITLE

CONSTRUCTION DETAILS

DRAWN	CHECKED	APPROVED
NGP	CR	CR
DATE		SCALE @ A1
10 March 2025		N.T.S

OP-1803-01-HW-003