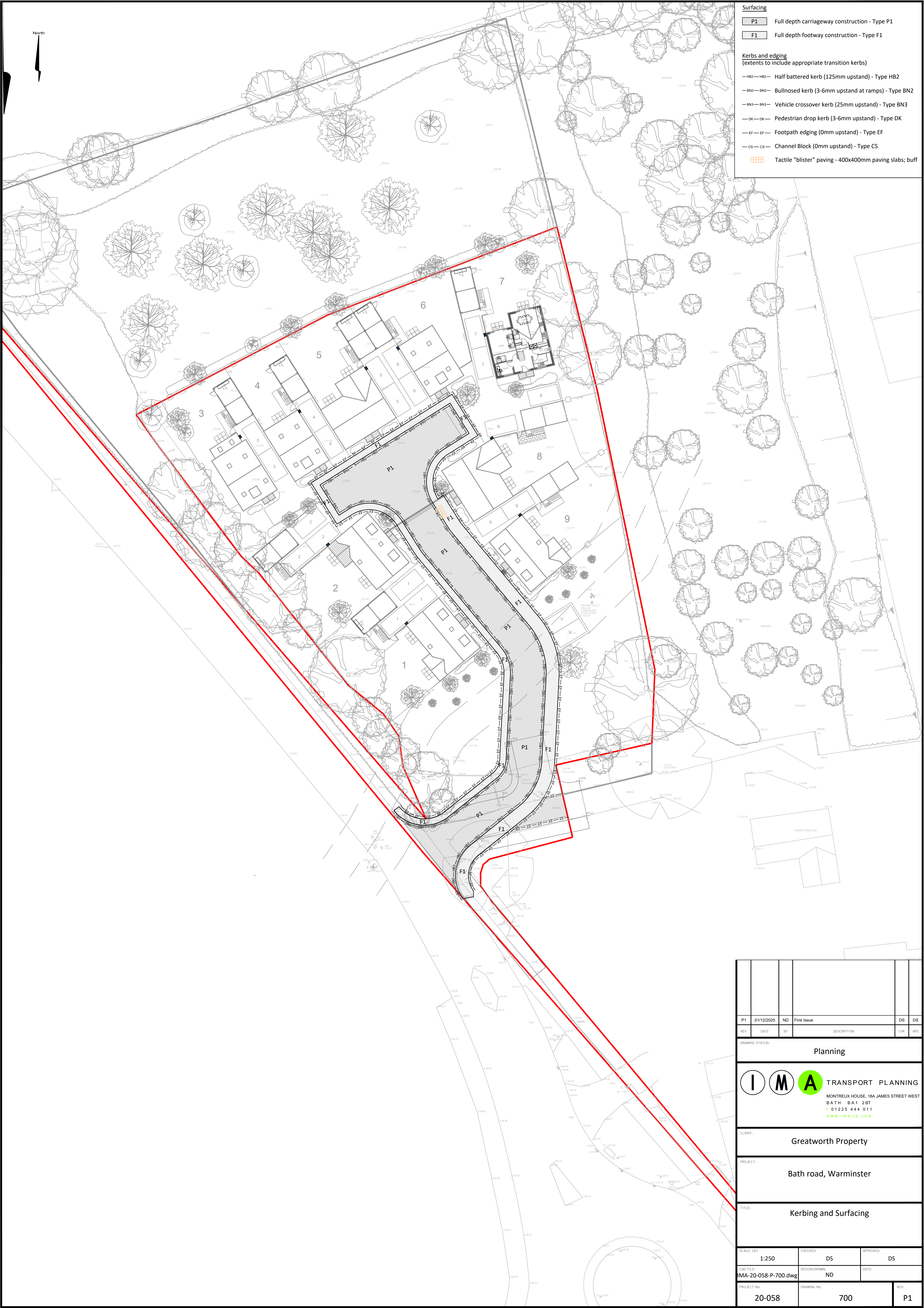


Appendix G

Construction Details



Surfacing

P1

Full depth carriageway construction - Type P1

F1

Full depth footway construction - Type F1

Kerbs and edging
(extends to include appropriate transition kerbs)

HB2

Half battered kerb (125mm upstand) - Type HB2

BN2

Bullnosed kerb (3-6mm upstand at ramps) - Type BN2

BN3

Vehicle crossover kerb (25mm upstand) - Type BN3

DK

Pedestrian drop kerb (3-6mm upstand) - Type DK

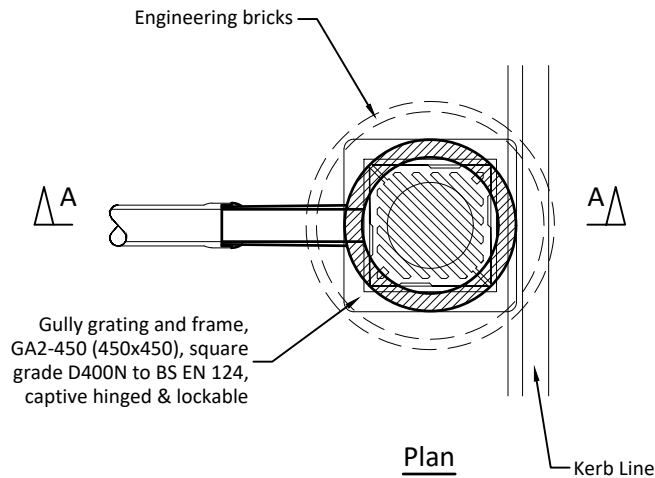
EF

Footpath edging (0mm upstand) - Type EF

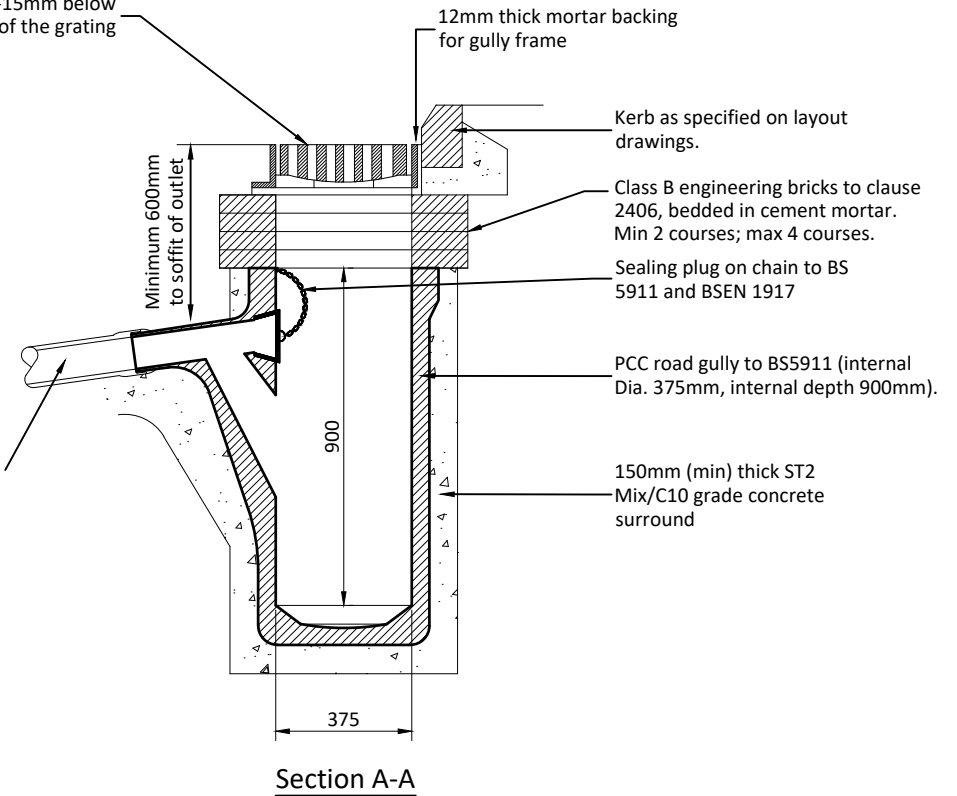
CS

Channel Block (0mm upstand) - Type CSTactile "blister" paving - 400x400mm paving slabs; buff

P1	01/12/2025	ND	First Issue	DS	DS
REV	DATE	BY	DESCRIPTION	CHK	APD
DRAWING STATUS:					
Planning					
I M A TRANSPORT PLANNING MONTREUX HOUSE, 18A JAMES STREET WEST BATH BA1 2BT T: 01225 444 011 www.ima-tp.com					
CLIENT:					
Greatworth Property					
PROJECT:					
Bath road, Warminster					
TITLE:					
Kerbing and Surfacing					
SCALE: (A0)		CHECKED:	DS	APPROVED:	DS
1:250					
CAD FILE:		DESIGN/DRAWN:	ND	DATE:	
IMA-20-058-P-700.dwg					
PROJECT NO:		DRAWING NO:			REV:
20-058		700			P1



Grating and frame shall be set 10-15mm below finished road level at the front of the grating



Notes:

1. All dimensions in millimeters unless stated otherwise.
2. All works are to comply with the Water Authority & Local Authority standard details and specification, as well as the Sewerage Sector Guidance Appendix C - Design and Construction Guidance.
3. Gully gratings are to have ribless frames and manhole covers webs at least 30mm below the finished cover level, suitable for the abutting of block paving.
4. Gully gratings shall be Class D400, non-rocking & captive hinged, with hinge located at the on-coming traffic end of grating.
5. Gully pots should be positioned such that the inside edge of the pot lines up with the front of the kerb with a tolerance of + or - 50mm.
6. Detail to be read in conjunction with Wiltshire Council's Standard detail drawing WC-HCD-500-D001_A.



TRANSPORT PLANNING

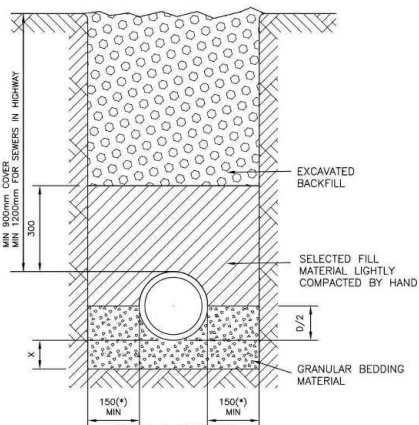
11 KINGSMEAD SQUARE
BATH BA1 2AB
t: 01225 444 011
www.ima-tp.com

CLIENT:
Greatworth Property

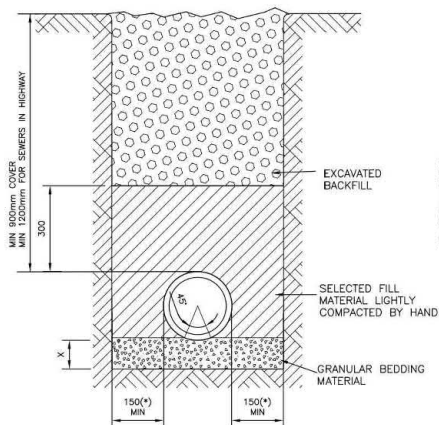
PROJECT:
Bath Road, Warminster

TITLE:
Standard Construction Details
Trapped Road Gully

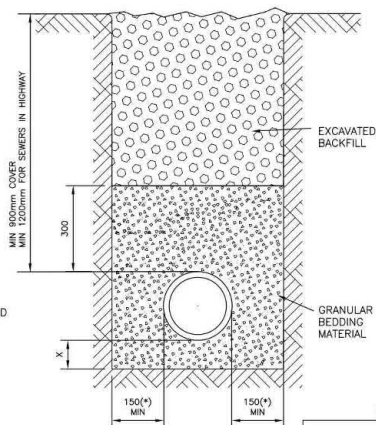
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PROJECT No: IMA-20-058	STATUS P	REVISION P01
DRAWING REF:	DRAWING No: 900501	



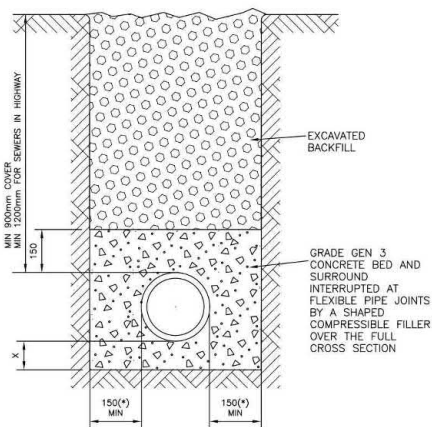
CLASS B BEDDING
Scale 1:10
(SEE NOTE 4)



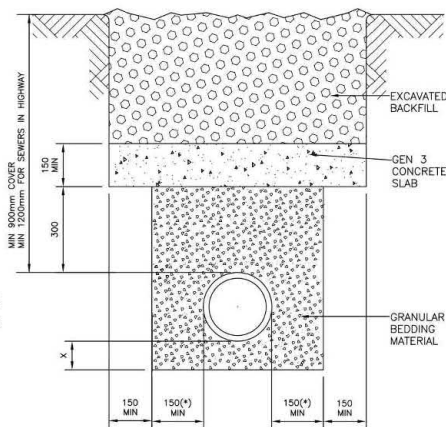
CLASS F BEDDING
Scale 1:10
(SEE NOTE 4)



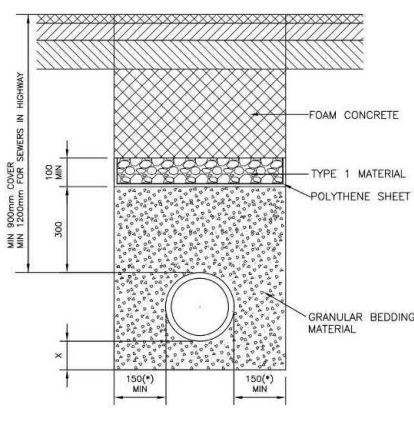
CLASS S SURROUND
Scale 1:10



**CONCRETE SURROUND
(NON PREFERRED)**
Scale 1:10
(SEE NOTE 4)



CONCRETE SLAB PROTECTION
Scale 1:10
(REINFORCEMENT IN SLAB TO
SUIT LOADING CONDITIONS)



**CLASS S SURROUND WITH FOAM
CONCRETE BACKFILL**
Scale 1:10

NOTES

1. * = 150 FOR PIPES DIA UP TO 300mm.
+ = 200mm FOR PIPE DIA OVER 300mm
BASED ON NARROW TRENCH THEORY:
DESIGNER TO CONFIRM FOR SPECIFIC
PIPELINE.
2. BACKFILL MATERIAL TO BE SELECTED
EXCAVATED MATERIAL WHERE THIS MATERIAL
COMPLIES WITH CESM, ADDITIONAL MATERIAL
TO MAKE UP ANY DEFICIENCY TO BE
GRANULAR SUB-BASE TYPE 1 UNLESS STATED
OTHERWISE.
3. IN WET, SOFT, OR SILTY SOILS, WHERE
LATERAL SUPPORT IS NOT OBTAINED OR
WHERE FINES MAY MIGRATE, THE GRANULAR
BEDDING MATERIAL SHALL BE SURROUNDED BY
GEOTEXTILE FABRIC WITH MIN 200 OVERLAP.
4. NOT ACCEPTABLE FOR USE ON SECTION
104 SITES
5. TRENCH BACKFILL TO MEET HIGHWAY
SPECIFICATION WHEN LAID IN ROAD OR
FOOTPATH
6. DIMENSION IN MILLIMETRES UNLESS OTHERWISE
STATED
7. DEPTH OF COVER REFER TO SEWERS
FOR ADOPTION 6th EDITION CLAUSE 2.10

USE OF GRANULAR BEDDING MATERIAL

NOMINAL BORE OF PIPE (mm)	AGGREGATE SIZE (mm)	
	SINGLE SIZED	GRADED
100	10	14 TO 5
150	10 OR 14	14 TO 5 OR 20 TO 5
225-300	10, 14 OR 20	14 TO 5 OR 20 TO 5
375-525	14 OR 20	14 TO 5 OR 20 TO 5
EXCEEDING 525	14, 20 OR 40	14 TO 5 OR 20 TO 5, 40 TO 5

DIM X ≥ 100mm FOR PIPES ≤ 100mm
DIM X ≥ 150mm FOR PIPES > 100mm
DIM X 200mm FOR PIPES TRENCHES IN ROCK

J	COVER DEPTHS FOR SEWERS UPDATED	CAM	CAM	JZH	08/06/2010
I	MIN COVER DIMS UPDATED	CAM	CAM	JZH	20/11/2009
H		CN	CAM	JZH	29/05/2009
MK	REVISIONS	DRN	CHK	APP	DATE

TYPICAL PIPE BEDDING
DETAILS FOR PIPES UP
TO 800mm DIA

STANDARD DRAWING

ORIGINAL DRAWING SIZE A2		SCALES	
INITIALS	DATE	1:10	
DESIGNED: SC	23/04/2007		
DRAWN BY: SC	23/04/2007		
DRAWING NUMBER STD/220		REV.	J

Wessex Water
Wessex Water Services Ltd

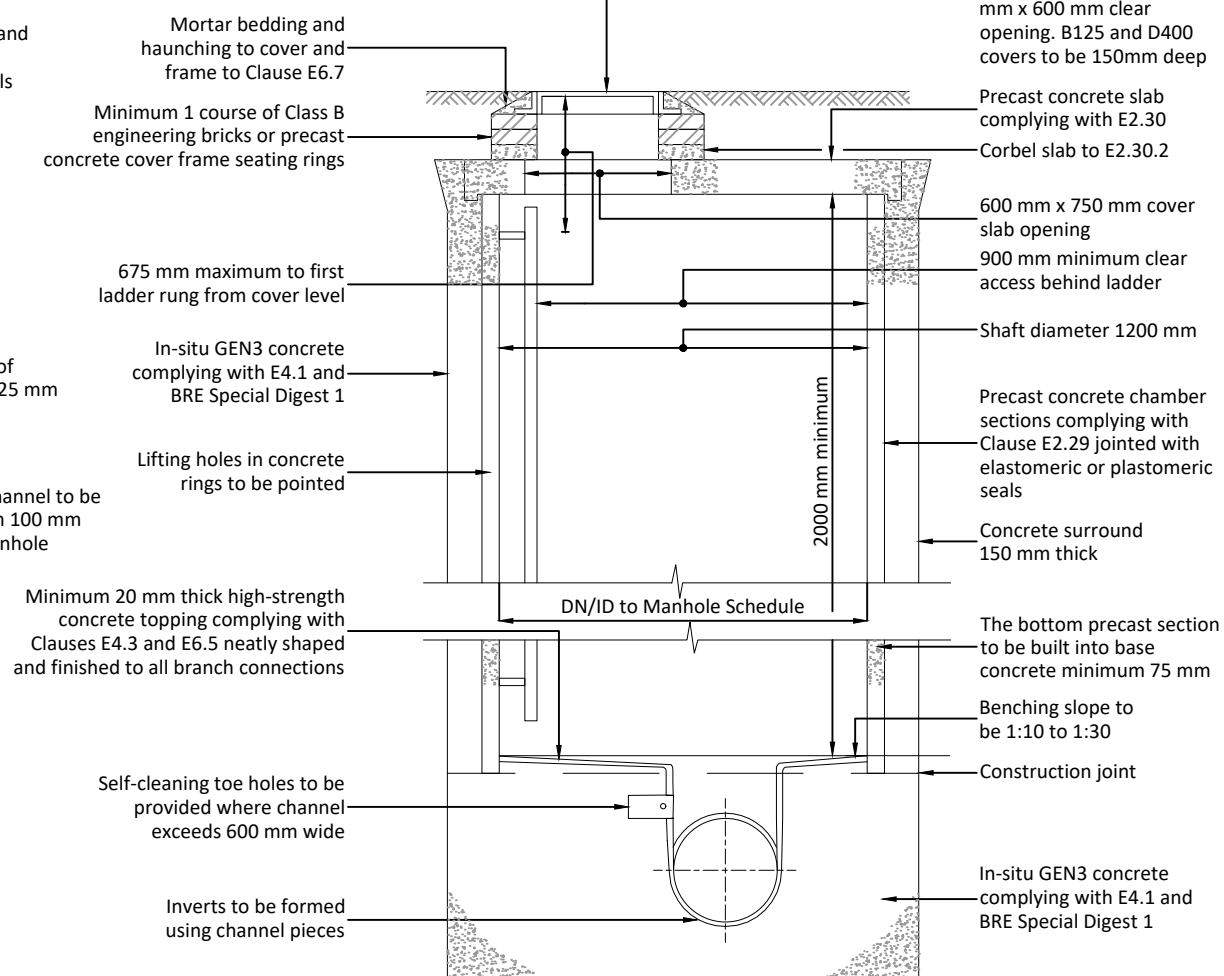
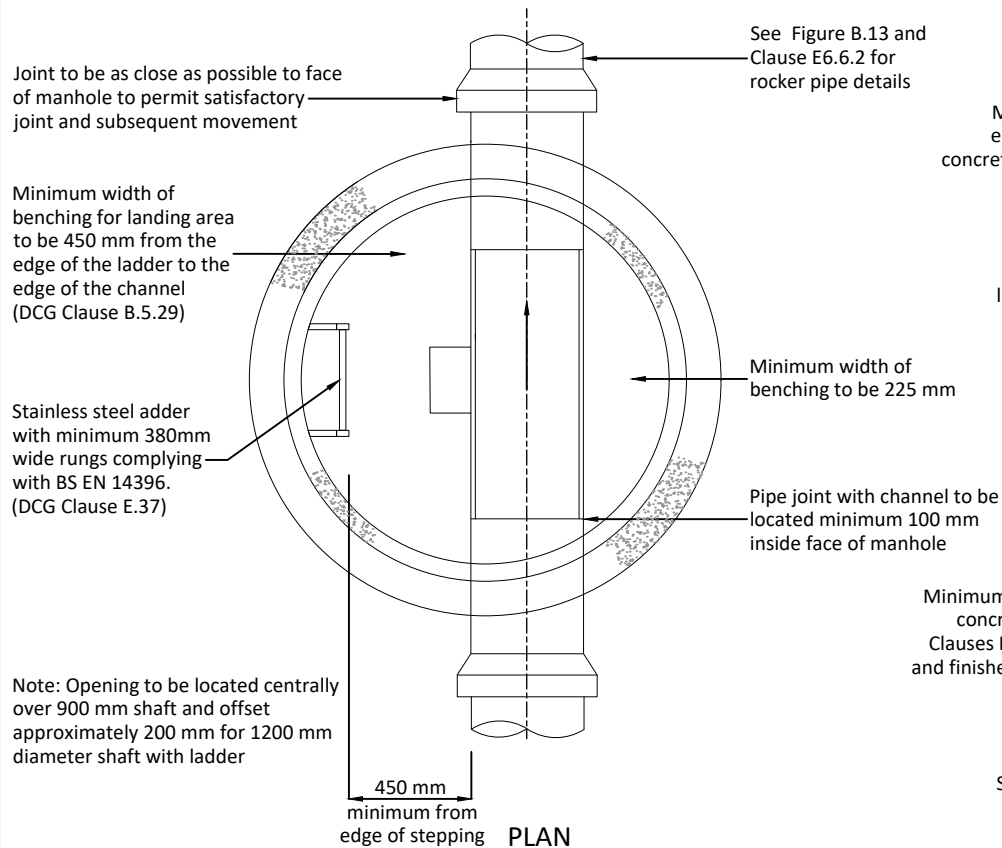
For Planning

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CAD FILE: Standard Details.dwg SCALE: (A4) NTS DATE: Dec 25

PROJECT No: IMA-20-058 STATUS: P REVISION: P01

DRAWING REF: DRAWING No: 900502



Section

Notes:

- All works are to comply with the Water Authority & Local Authority standard details and specification, as well as the Sewerage Sector Guidance Appendix C - Design and Construction Guidance.
- Clause references can be found in the Design and Construction Guidance' (DCG).

I M A TRANSPORT PLANNING

11 KINGSMEAD SQUARE
BATH BA1 2AB
t: 01225 444 011
www.ima-tp.com

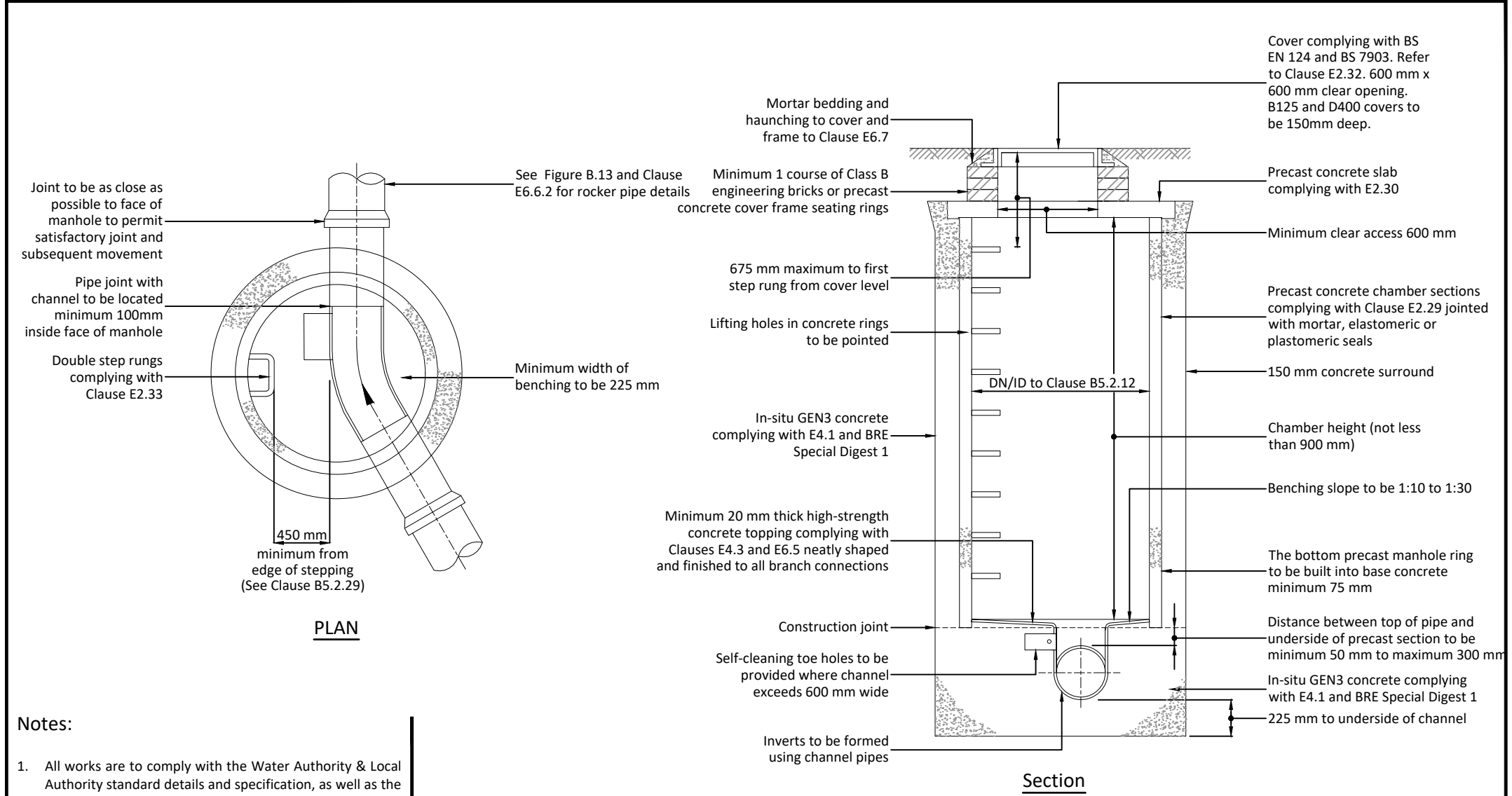
CLIENT:
Greatworth Property

PROJECT:
Bath Road, Warminster

TITLE:
Standard Construction Details
Typical Manhole Detail - Type A
Depth to pipe soffit from 3m to 6m

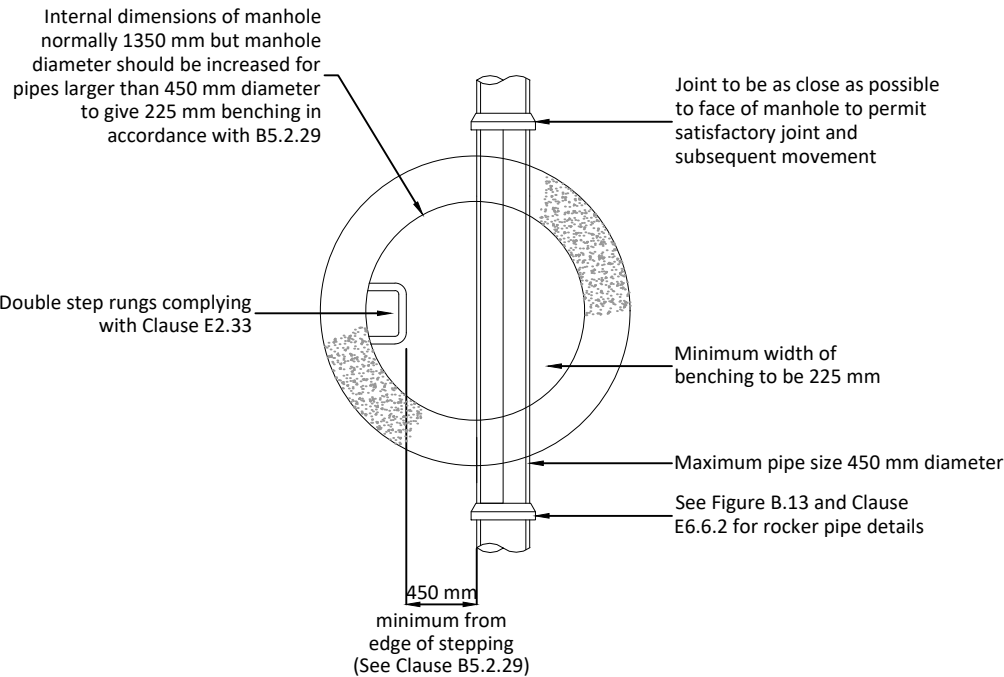
For Planning

DESIGN/DRAWN: ND	CHECKED: DS	APPROVED: DS
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PROJECT No: IMA-20-058	STATUS P	REVISION P01
DRAWING REF:	DRAWING No: 900503	

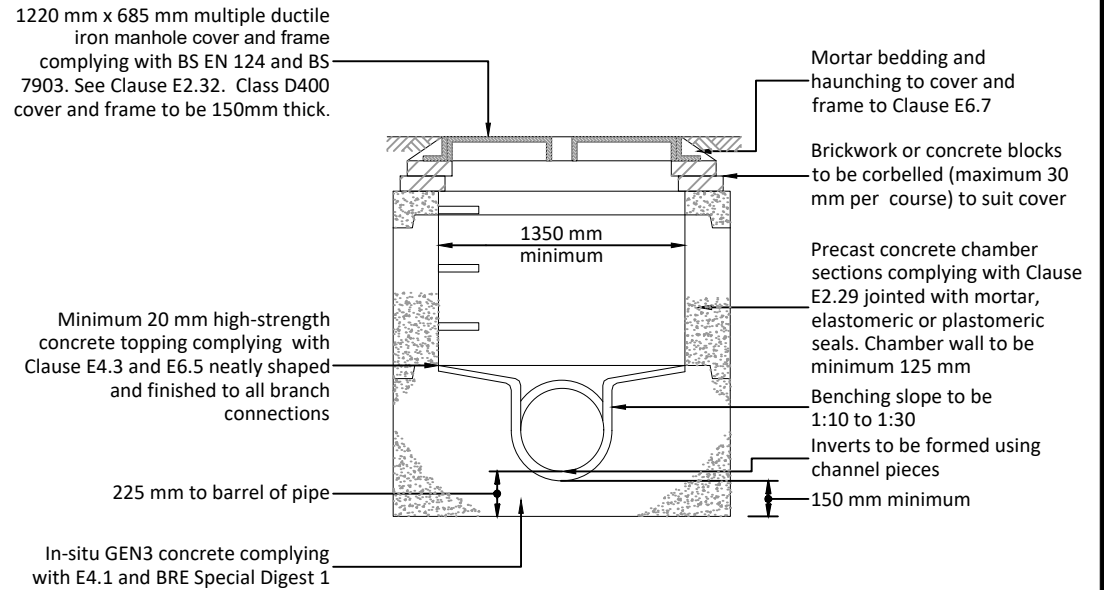


- Notes:
1. All works are to comply with the Water Authority & Local Authority standard details and specification, as well as the Sewerage Sector Guidance Appendix C - Design and Construction Guidance.
 2. Clause references can be found in the Design and Construction Guidance' (DCG).

I M A TRANSPORT PLANNING 11 KINGSMEAD SQUARE BATH BA1 2AB t: 01225 444 011 www.ima-tp.com	CLIENT:	Greatworth Property	TITLE:	CAD FILE: SCALE: (A4) DATE:						
					Standard Details.dwg	NTS	Dec 2025			
	PROJECT:	Bath Road, Warminster		Typical Manhole Detail - Type B		PROJECT No:	STATUS	REVISION		
				Depth to pipe soffit from 1.5m to 3.0m		IMA-20-058	P	P01		
						DRAWING REF:	DRAWING No:			
										900504



PLAN



SECTION

Notes:

1. All works are to comply with the Water Authority & Local Authority standard details and specification, as well as the Sewerage Sector Guidance Appendix C - Design and Construction Guidance.
2. The use of precast concrete chamber units to E2.29 with 150mm GEN3 in-situ concrete complying with E4.1 and BRE Special Digest 1 in place of brickwork construction is permitted.
3. Clause references can be found in the Design and Construction Guidance' (DCG).



TRANSPORT PLANNING

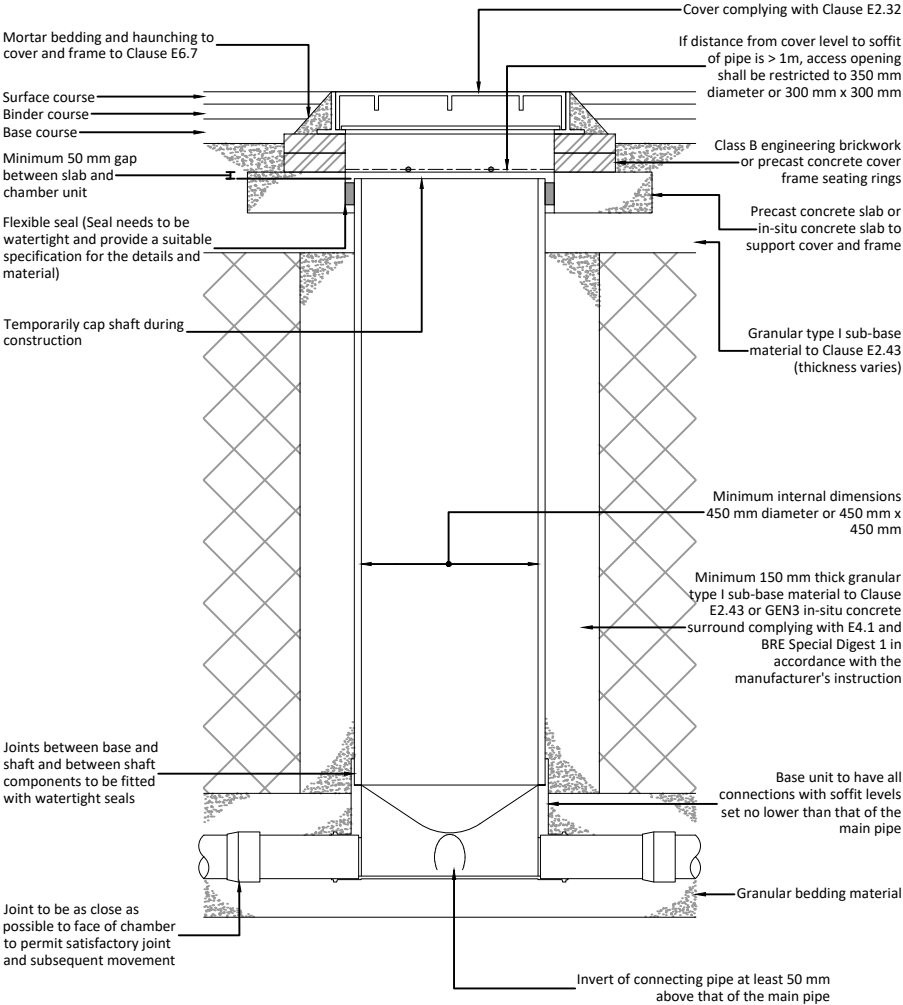
11 KINGSMEAD SQUARE
BATH BA1 2AB
t: 01225 444 011
www.ima-tp.com

CLIENT:	Greatworth Property
PROJECT:	Bath Road, Warminster

TITLE:	Standard Construction Details Typical Manhole Detail - Type C Depth to pipe soffit up to 1.5m
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For Planning		
DESIGN/DRAWN: ND	CHECKED: DS	APPROVED: DS
CAD FILE: Standard Details.dwg	SCALE: (A4) NTS	DATE: Dec 2025
PROJECT No: IMA-20-058	STATUS P	REVISION P01
DRAWING REF:	DRAWING No: 900505	

FIGURE B.18
TYPICAL INSPECTION CHAMBER DETAIL - TYPE D
Depth from cover level to soffit of pipe up to 2 m
Flexible material construction for use in areas subject to vehicle loading
Plastic chambers and rings shall comply with Clause E2.31



Notes:

1. All works are to comply with the Water Authority & Local Authority standard details and specification, as well as the Sewerage Sector Guidance Appendix C - Design and Construction Guidance.
2. Plastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 or have equivalent independent approval.
3. Clause references can be found in the Design and Construction Guidance' (DCG).
4. Where the access chamber is in the highway (including any footway), the highway authority can have specific requirements.

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BATH BA1 2AB
t: 01225 444 011
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CLIENT:	Greatworth Property
PROJECT:	Bath Road, Warminster

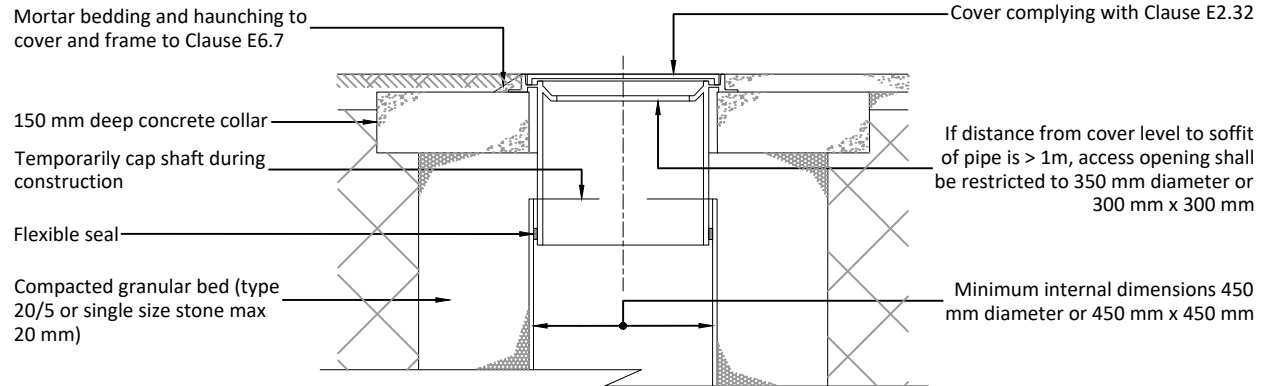
TITLE:	Standard Construction Details
	Typical Inspection Chamber Detail - Type D
	Depth from cover level to soffit of pipe up to 3m

For Planning		
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CAD FILE: Standard Details.dwg	SCALE: (A4) NTS	DATE: Dec 2025
PROJECT No: IMA-20-058	STATUS P	REVISION P01
DRAWING REF:	DRAWING No: 900506	

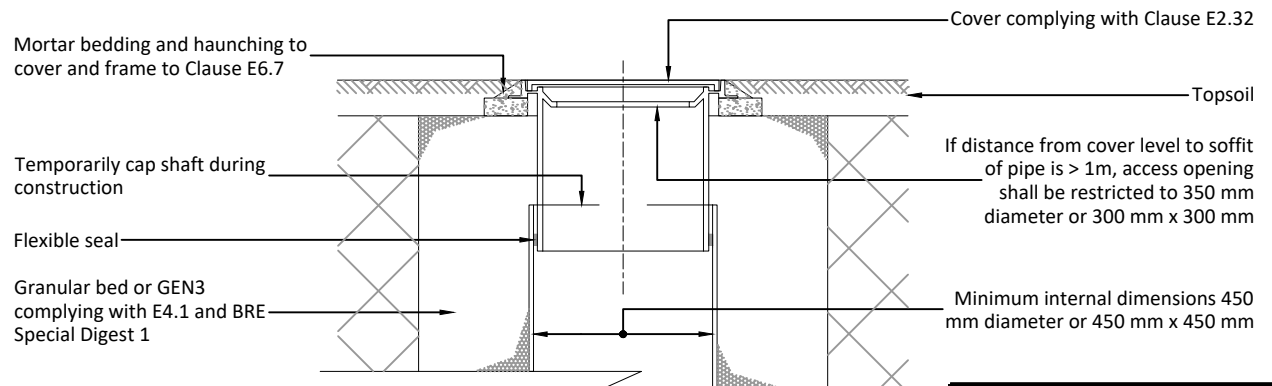
FIGURE B.19
TYPICAL INSPECTION CHAMBER DETAIL - TYPE D
Flexible material construction alternative top details for use in areas of light
vehicle loading or landscaped areas

Plastic chambers and rings shall comply with Clause E2.31

Sited in domestic driveways or footways



Sited in domestic gardens



Notes:

1. All works are to comply with the Water Authority & Local Authority standard details and specification, as well as the Sewerage Sector Guidance Appendix C - Design and Construction Guidance.
2. Plastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 or have equivalent independent approval.
3. Clause references can be found in the Design and Construction Guidance' (DCG).
4. Where the access chamber is in the highway (including any footway), the highway authority can have specific requirement.

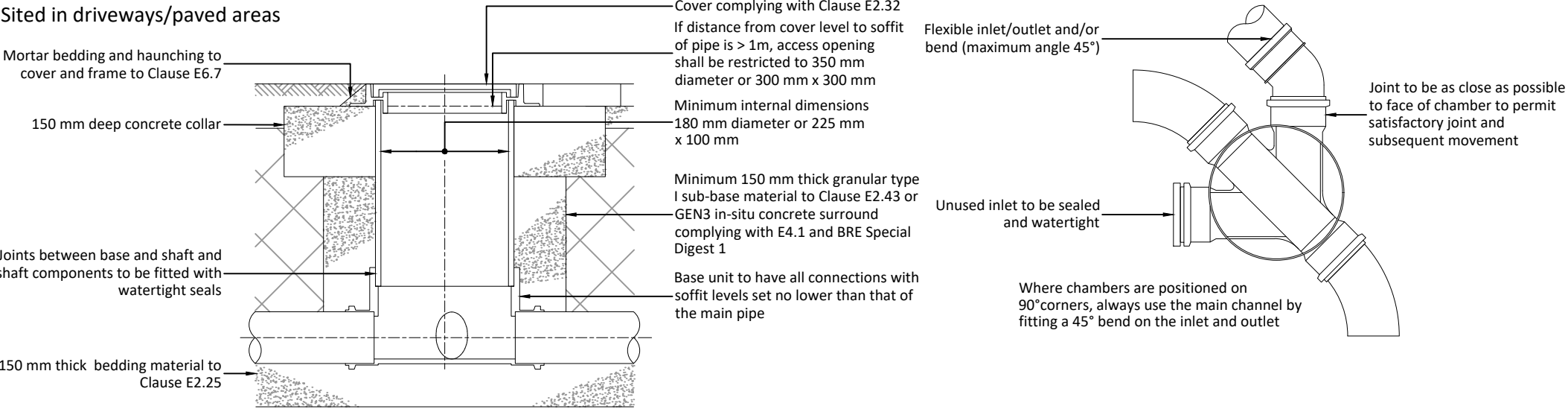
I M A TRANSPORT PLANNING
11 KINGSMEAD SQUARE
BATH BA1 2AB
t: 01225 444 011
www.ima-tp.com

CLIENT:	Greatworth Property
PROJECT:	Bath Road, Warminster

TITLE:	Standard Construction Details
	Typical Inspection Chamber Detail - Type D

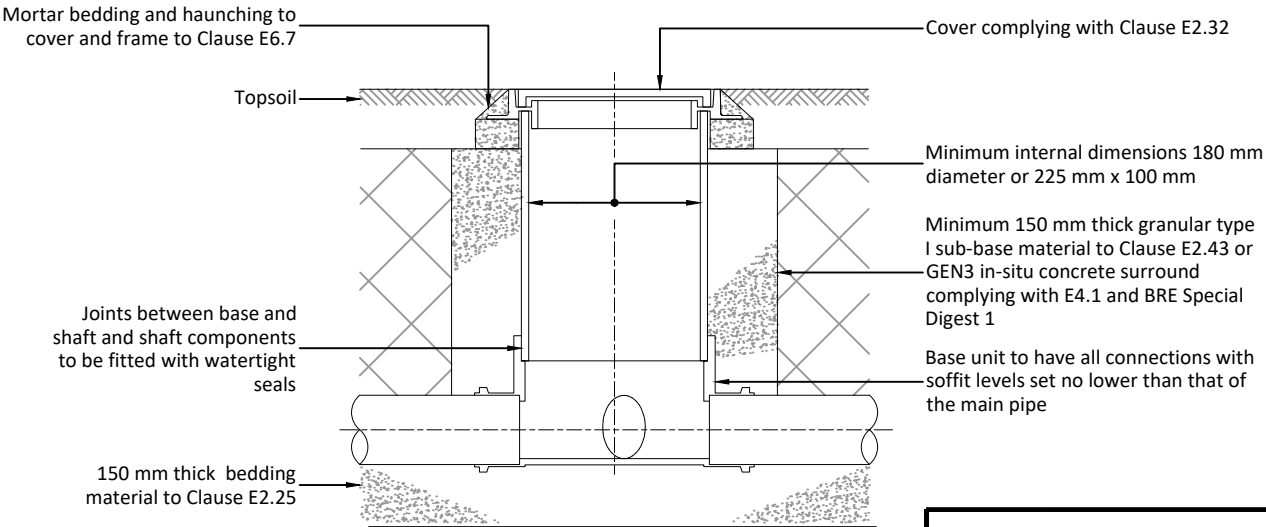
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DESIGN/DRAWN: ND	CHECKED: DS	APPROVED: DS
CAD FILE: Standard Details.dwg	SCALE: (A4) NTS	DATE: Dec 2025
PROJECT No: IMA-20-058	STATUS P	REVISION P01
DRAWING REF:	DRAWING No: 900507	

Sited in driveways/paved areas



Notes:

1. All works are to comply with the Water Authority & Local Authority standard details and specification, as well as the Sewerage Sector Guidance Appendix C - Design and Construction Guidance.
2. Plastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 or have equivalent independent approval.
3. Clause references can be found in the Design and Construction Guidance' (DCG).



Sited in domestic gardens



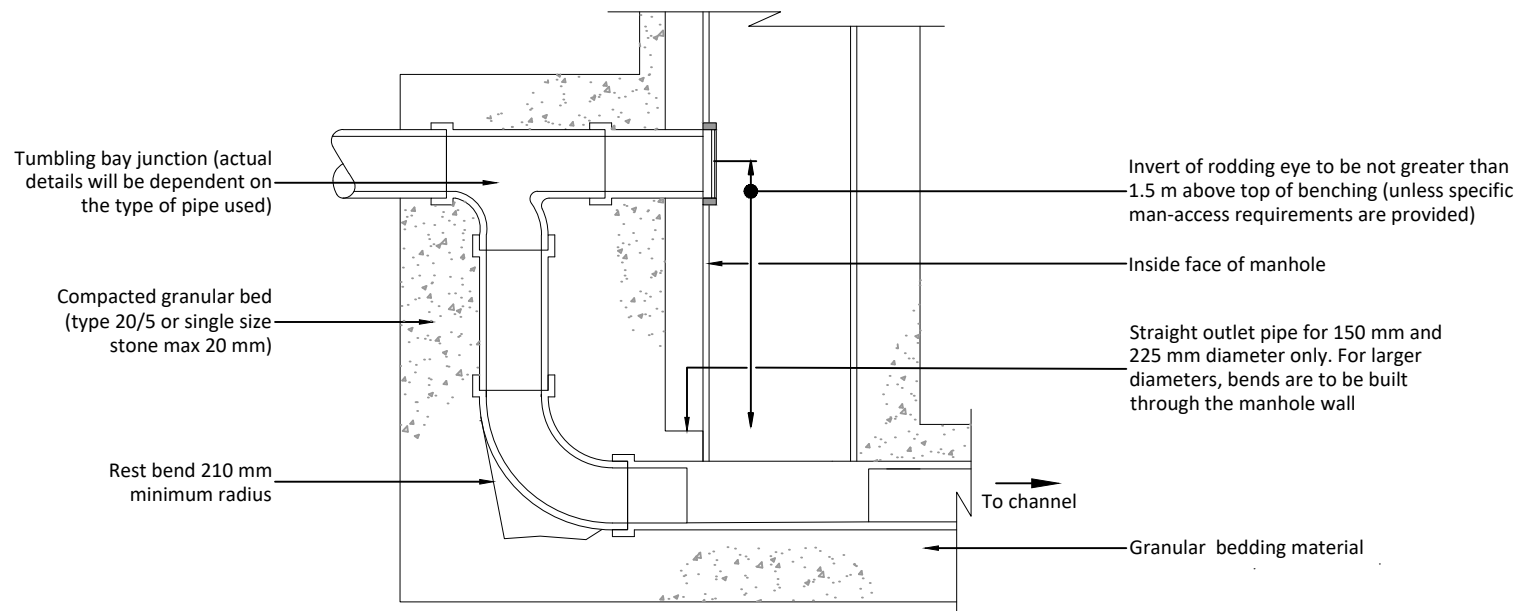
TRANSPORT PLANNING

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BATH BA1 2AB
t: 01225 444 011
www.ima-tp.com

CLIENT:	Greatworth Property
PROJECT:	Bath Road, Warminster

TITLE:	Standard Construction Details
	Typical Inspection Chamber Detail - Type E
	Depth to pipe soffit up to 2m

For Planning		
DESIGN/DRAWN: ND	CHECKED: DS	APPROVED: DS
CAD FILE: Standard Details.dwg	SCALE: (A4) NTS	DATE: Dec 2025
PROJECT No: IMA-20-058	STATUS P	REVISION P01
DRAWING REF:	DRAWING No: 900508	



External Vertical Backdrop

Notes:

1. All works are to comply with the Water Authority & Local Authority standard details and specification, as well as the Sewerage Sector Guidance Appendix C - Design and Construction Guidance.

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TRANSPORT PLANNING

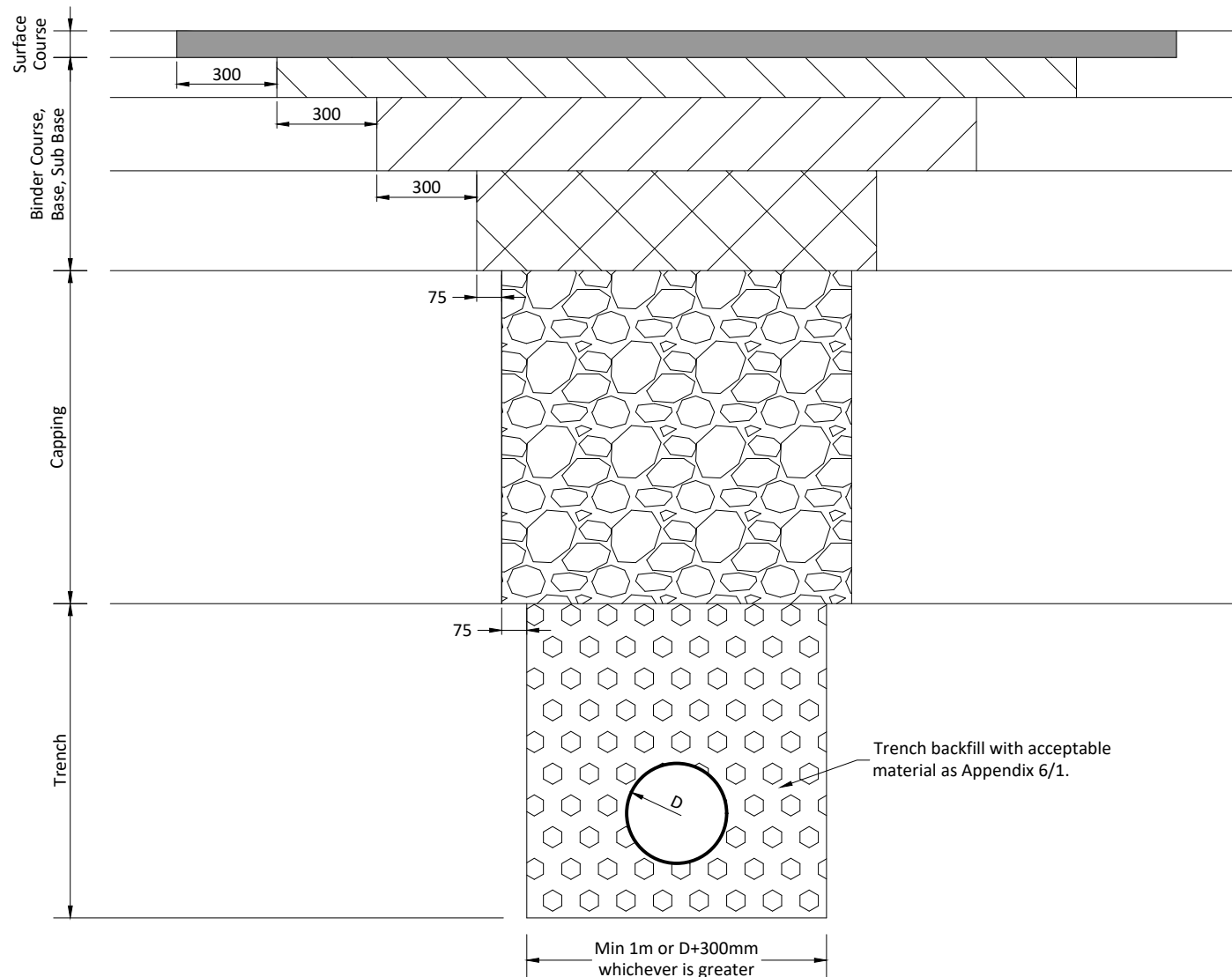
11 KINGSMEAD SQUARE
BATH BA1 2AB
t: 01225 444 011
www.ima-tp.com

CLIENT:
Greatworth Property

PROJECT:
Bath Road, Warminster

TITLE:
Standard Construction Details
Backdrop Detail For Use in Manholes A to D
Flexible Material

For Planning		
DESIGN/DRAWN: ND	CHECKED: DS	APPROVED: DS
CAD FILE: Standard Details.dwg	SCALE: (A4) NTS	DATE: Dec 2025
PROJECT No: IMA-20-058	STATUS P	REVISION P01
DRAWING REF:	DRAWING No: 900509	



Notes

1. All works are to comply with the Water Authority & local Authority standard details and specification, as well as the Sewerage Sector Guidance Appendix C - Design and Construction Guidance.
2. Reinstatement of the carriageway / footway construction shall be carried out as soon as is practicable after backfilling has been completed.
3. Where the existing carriageway / footway consists of bituminous materials, edges shall be neatly saw cut. Joints through macadam surfacing shall be saw cut and treated in accordance with clause 903 prior to layer reinstatement.
4. Compaction of capping to be in accordance with MCHW 600.
5. Existing block or flag paving shall be carefully reinstated to a minimum of 300 either side of the trench edge and bedded as described in relevant standard detail.
6. All carriageway / footway construction materials to be as specified in the relevant standard detail or by the Engineer.

For Planning

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CAD FILE: Standard Details.dwg	SCALE: (A4) NTS	DATE: Dec 2025
PROJECT No: IMA-20-058	STATUS P	REVISION P01
DRAWING REF:	DRAWING No: 900510	



TRANSPORT PLANNING

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BATH BA1 2AB
t: 01225 444 011
www.ima-tp.com

CLIENT:

Greatworth Property

PROJECT:

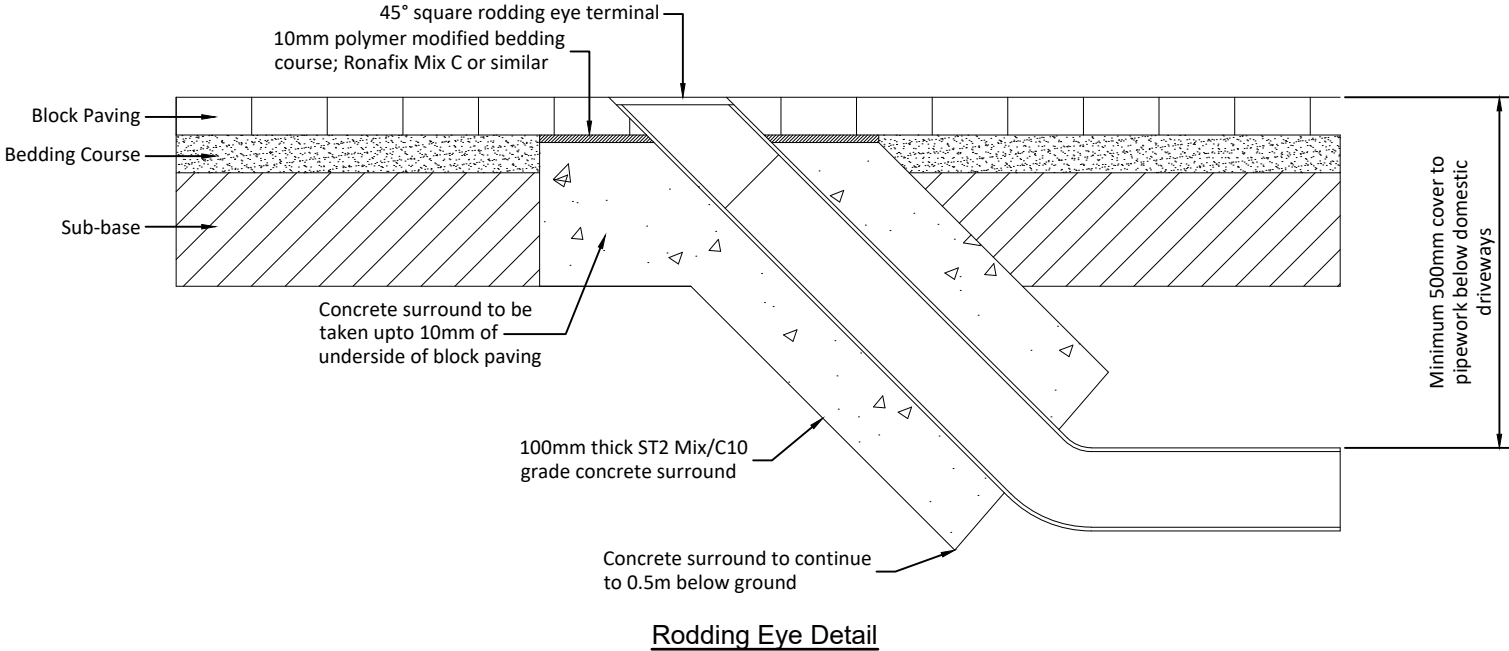
Bath Road, Warminster

TITLE:

Standard Construction Details
Reinstatement of Drain & Duct
in Existing Carriageway

Notes:

1. All works are to comply with the Water Authority & Local Authority standard details and specification, as well as the Sewerage Sector Guidance Appendix C - Design and Construction Guidance.



TRANSPORT PLANNING

11 KINGSMEAD SQUARE
BATH BA1 2AB
t: 01225 444 011
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CLIENT:

Greatworth Property

PROJECT:

Bath Road, Warminster

TITLE:

Standard Construction Details
Rodding Eye Detail

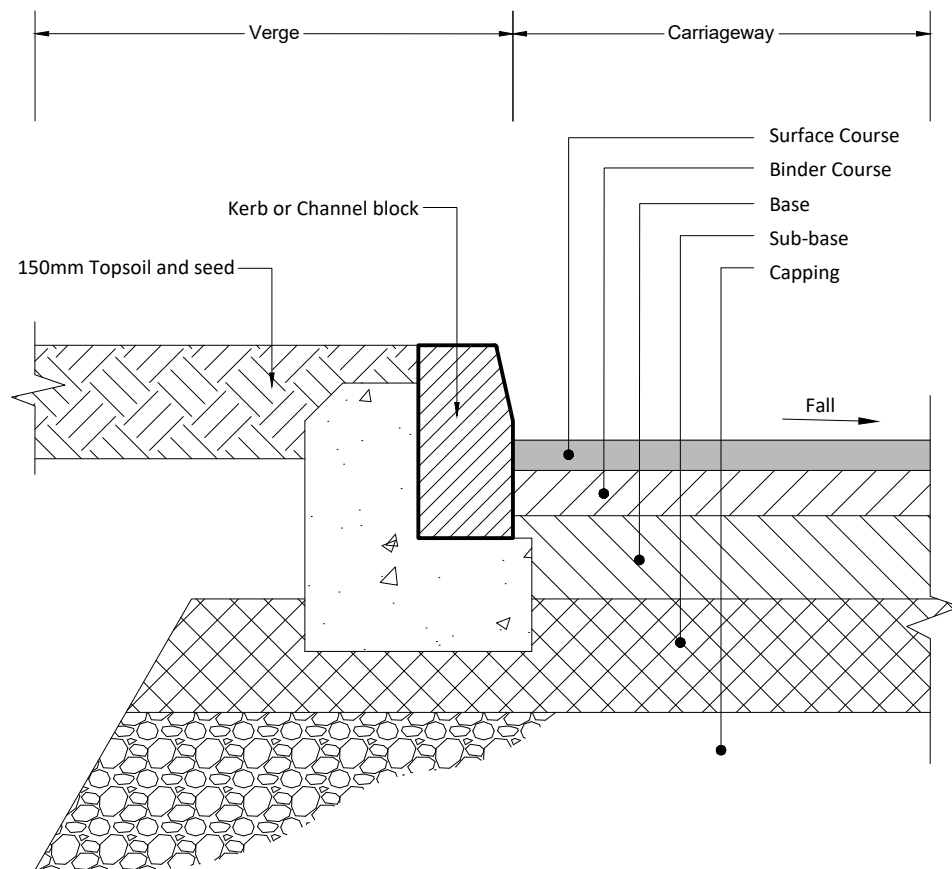
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PROJECT No: IMA-20-058	STATUS P	REVISION P01
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DRAWING REF:	DRAWING No: 900511
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Type P1 - Full depth carriageway construction

Surface Course: 40mm, **AC10 Close surf 40/60**, minimum 60 PSV, specification clause 912

Binder Course: 60mm, **AC20 dense bin 40/60** (20mm nom. size aggregate; pen50) Specification Clause 929 (min PSV 65 if trafficked)

Base Course: 125mm, **AC32 dense base 40/60**, (32mm nom. size aggregate; pen125) specification clause 929

Sub Base: **Type 1 granular material** to specification clause 803.

Thickness dependent on CBR of sub grade (see table below).

Capping: **Capping Material** to Specification clause 613. Thickness dependant on CBR of sub-grade. (See Table below). Top 130mm thick, non frost susceptible capping material, MCDHW Clause 613, class 6F2 or 6F3 or 130mm Granular Type 1 Material, clause 803.

Engineered Fill Material: In the event that levels require additional fill material this is to be brought to the attention of the Engineer. Use of 6F2 or 6F3 material or suitably approved alternative engineered fill material is to be considered.

CBR of Subgrade (%)	<2	2-5	>5
Sub Base (mm)	150	350	225
Capping (mm)	600	250	0

CBRs to be completed before construction and the resulting pavement design confirmed with Wiltshire Council site inspector.

Notes:

- All pavement material within 450mm of finish surface to be non frost susceptible.
- for specification and details of flexible carriageway construction (speed limit 40mph or less) refer to Wiltshire Council's Standard detail drawing WC-HCD-700-D001_A.

I M A TRANSPORT PLANNING
 11 KINGSMEAD SQUARE
 BATH BA1 2AB
 t: 01225 444 011
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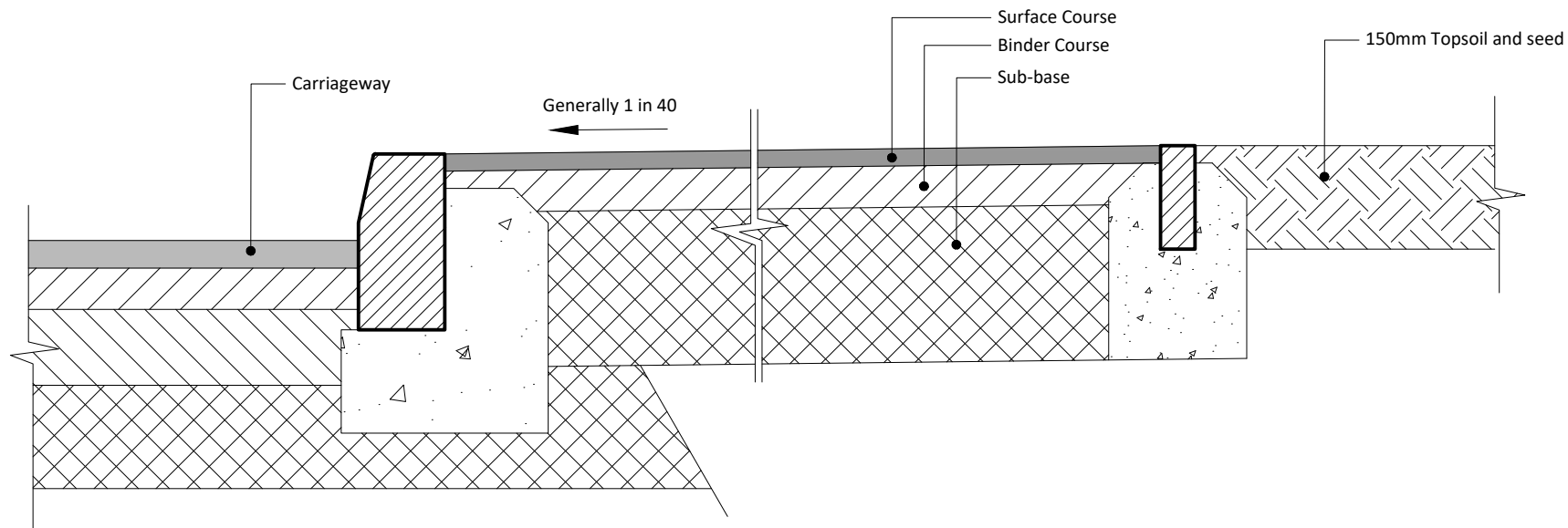
CLIENT:
Greatworth Property

PROJECT:
Bath Road, Warminster

TITLE:
Standard Construction Details
Pavement Construction Details
Type P1

For Planning

DESIGN/DRAWN: ND	CHECKED: DS	APPROVED: DS
CAD FILE: Standard Details.dwg	SCALE: (A4) NTS	DATE: Dec 2025
PROJECT No: IMA-20-058	STATUS P	REVISION P01
DRAWING REF:	DRAWING No: 900701	



Type F1: Full depth footway construction

Surface Course: 20mm **AC6 dense surf, 100/150**, PSV 45 (6mm nom. size aggregate) specification clause 912

Binder Course: 60mm, **AC20 dense bin 40/60** (20mm nom. size aggregate; pen50) specification clause 906

Sub Base: 225mm Type 1 granular material specification clause 803

Type F2: Full depth vehicle crossover

Surface Course: 20mm **AC6 dense surf, 100/150**, PSV 45 (6mm nom. size aggregate) specification clause 912

Binder Course: 60mm, **AC20 dense bin 40/60** (20mm nom. size aggregate; pen50) specification clause 906

Sub Base: 225mm Type 1 granular material specification clause 803

Notes:

1. Edging & kerb details are to be as specified on engineering plans.
2. When excavating to footway formation, the full depth of existing top soil shall be removed. Any additional depth of excavation resulting from this shall be backfilled with suitable material as per specification.
3. Contractor to check and confirm actual depths of regulating material required prior to works commencing and report to the Engineer for confirmation and records.

For Planning

DESIGN/DRAWN: ND	CHECKED: DS	APPROVED: DS
CAD FILE: Standard Details.dwg	SCALE: (A4) NTS	DATE: Dec 2025
PROJECT No: IMA-20-058	STATUS S1	REVISION C01
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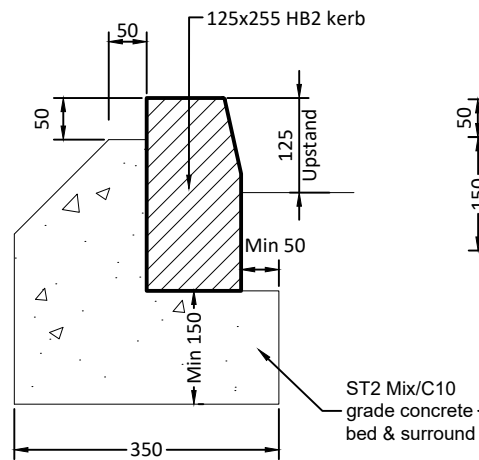
TRANSPORT PLANNING

11 KINGSMEAD SQUARE
BATH BA1 2AB
t: 01225 444 011
www.ima-tp.com

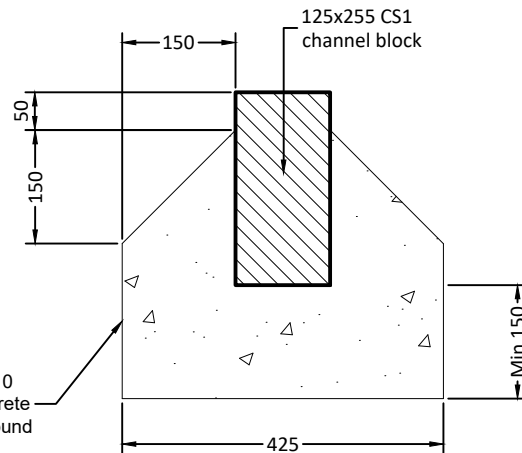
CLIENT:
Greatworth Property

PROJECT:
Bath Road, Warminster

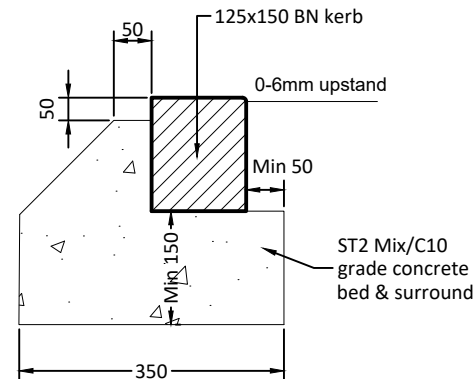
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**Standard Construction Details
Pavement Construction Details
Type F1 & F2**



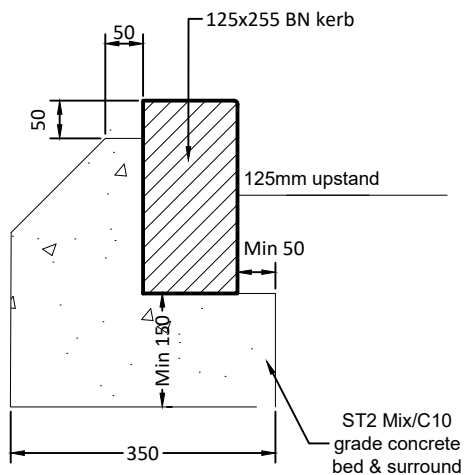
Half Battered Kerb (HB2)



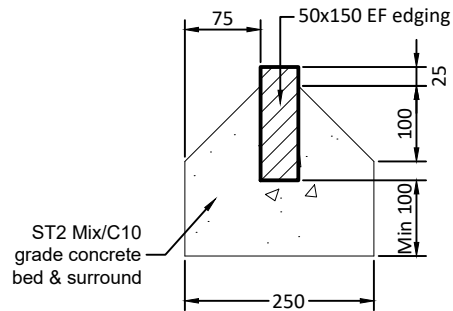
Channel Block (CS)



Pedestrian Drop Kerb (BN)



Vehicle Crossing (BN2)



Edging Block (EF)

Notes:

1. All dimensions are in millimeters unless stated otherwise.
2. All kerbs shall be in accordance with BS EN 1340.
3. for specification and details of kerbs refer to Wiltshire Council's Standard detail drawing WC-HCD-1100-D001.

For Planning

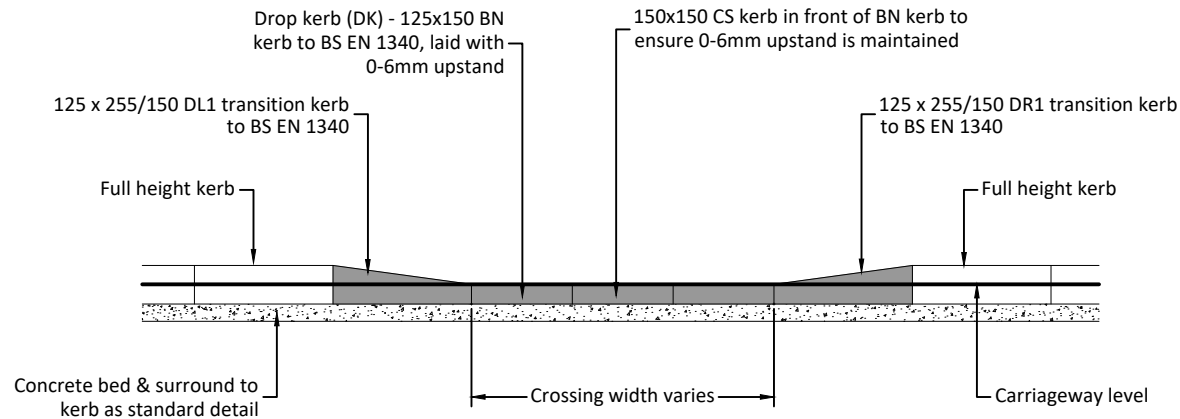
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DRAWING REF:	DRAWING No: 901101	

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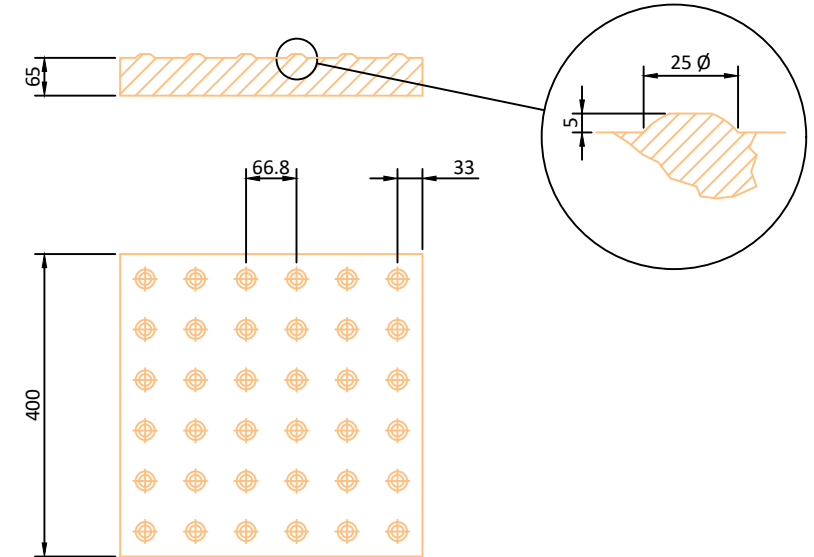
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Greatworth Property

PROJECT:
Bath Road, Warminster

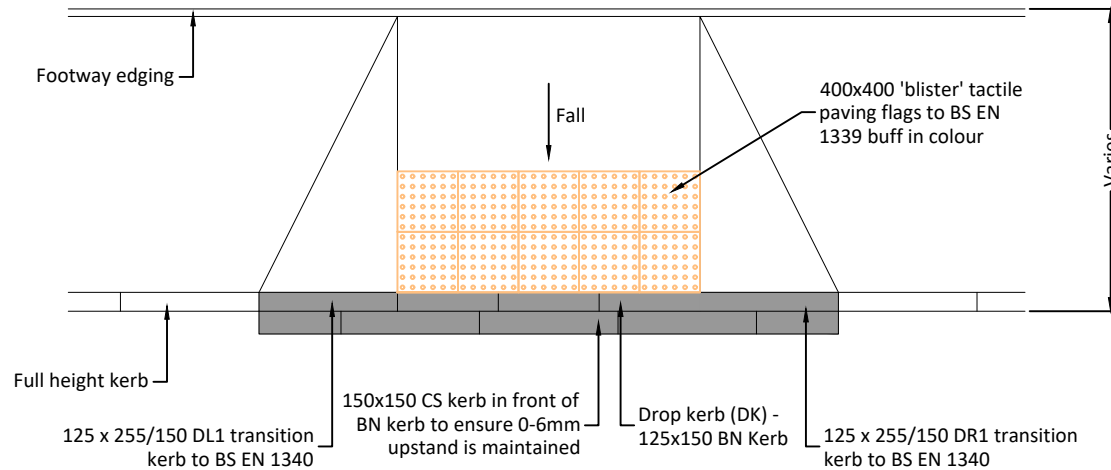
TITLE:
Standard Construction Details
Kerbs and Edging



Section
Scale 1:50



Blister Tactile Paving Flag
Scale 1:10



Typical Drop Kerb - Plan
Scale 1:50

Notes:

1. All dimensions are in millimeters unless stated otherwise.

For Planning

DESIGN/DRAWN: ND	CHECKED: DS	APPROVED: DS
CAD FILE: Standard Details.dwg	SCALE: (A4) NTS	DATE: Dec 2025
PROJECT No: IMA-20-058	STATUS P	REVISION P01
DRAWING REF:	DRAWING No: 901103	



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TITLE:

Standard Construction Details
Pedestrian Drop Kerb Detail