

NOTES

1.0 GENERAL

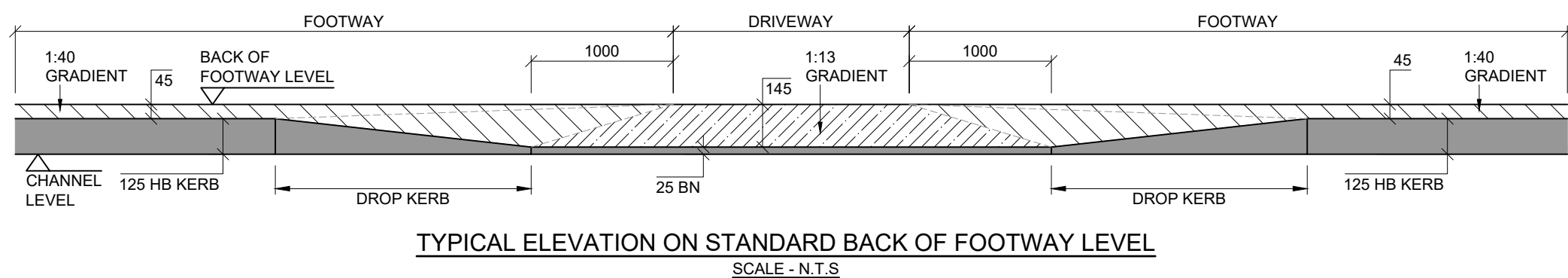
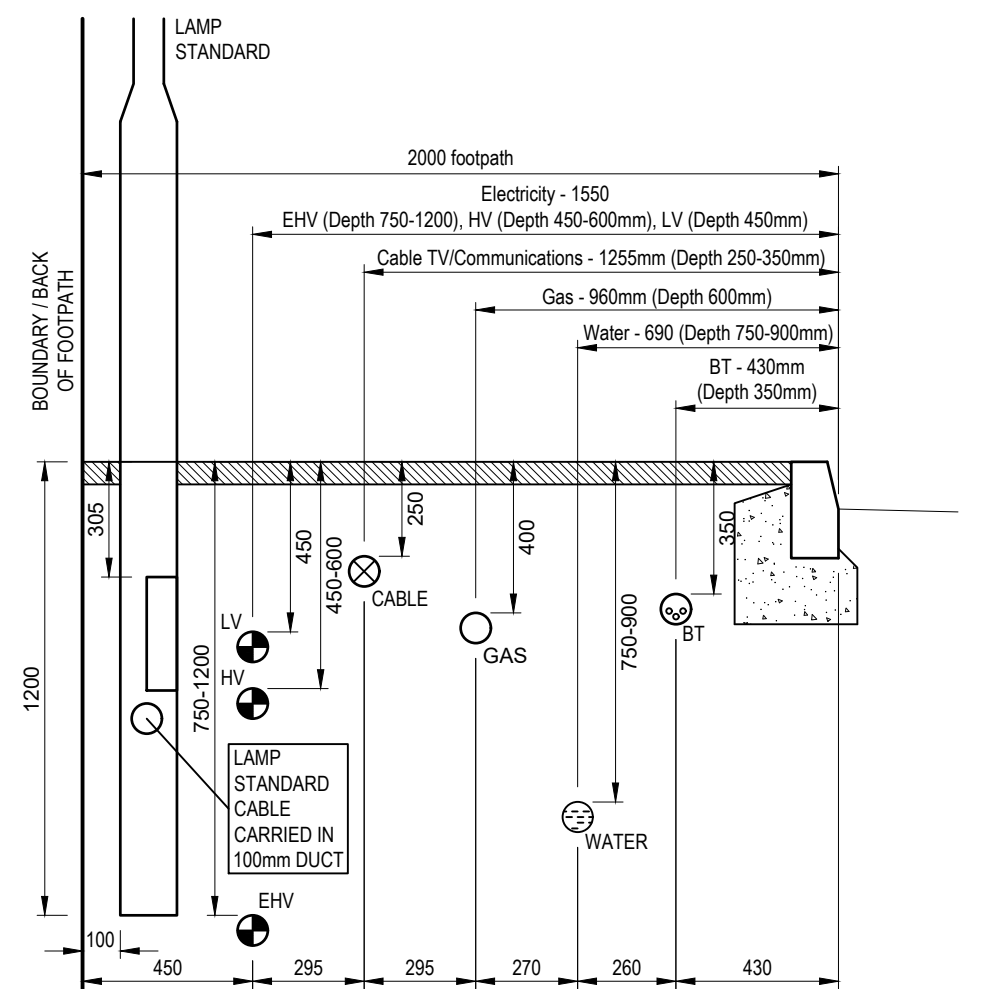
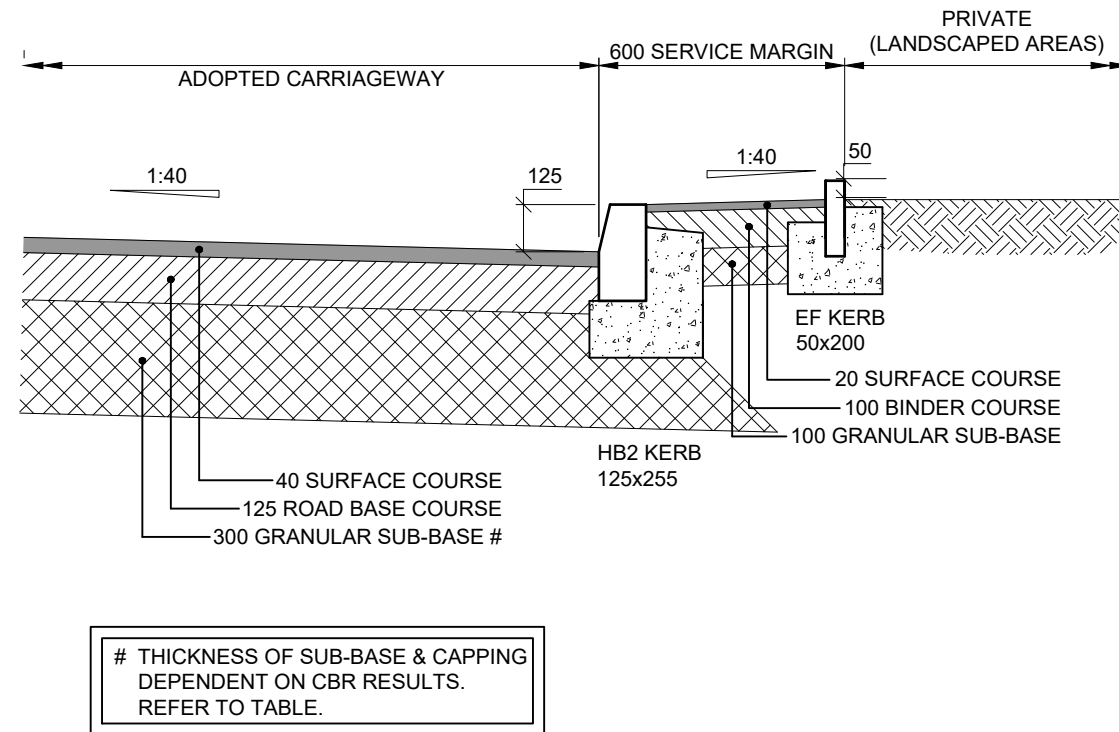
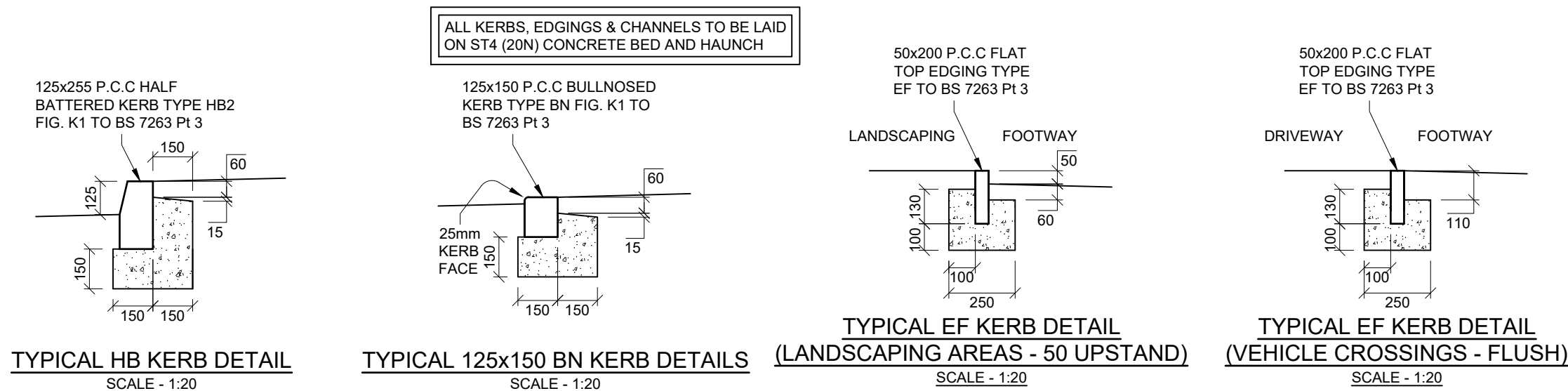
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, ENGINEER'S AND SPECIALIST DRAWINGS & SPECIFICATIONS.
- WORK TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT GOOD PRACTICE, BUILDING REGULATIONS AND SUBSEQUENT AMENDMENTS, THE PROJECT SPECIFICATION, RELEVANT BRITISH STANDARDS AND CODES OF PRACTICE. MATERIALS AND COMPONENTS TO BE SUITABLE FOR THEIR INTENDED USE.
- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.

2.0 EXISTING SERVICES

- SERVICE MEDIA INDICATED IS BASED ON INFORMATION AVAILABLE TO DATE & IS REPRODUCED IN GOOD FAITH. NO RESPONSIBILITY CAN BE ACCEPTED FOR THE LOCATIONS OF UNKNOWN SERVICES NOT INDICATED ON THIS DRAWING.
- EXISTING STATUTORY AUTHORITY SERVICES INDICATED ARE PRIOR TO ANY WORKS TAKING PLACE. FOR INFORMATION PURPOSES ONLY AND MUST BE CONFIRMED.
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE AND PROTECT EXISTING SERVICE MEDIA AFFECTED BY THE PROPOSED WORKS.

3.0 ADOPTED DRAINAGE (HIGHWAYS)

- VITRIFIED CLAY DRAINAGE GOODS TO BE HEPWORTH SUPERSLEVE OR SIMILAR TO BS EN 295-1. STRENGTH CLASS & BEDDING TO BE AS INDICATED.
- DRAINAGE BENEATH SOFT LANDSCAPING WITH LESS THAN 0.6m COVER TO BE CONCRETE ENCASED. DRAINAGE BENEATH ROADSPARKING WITH LESS THAN 1.2m COVER TO BE CONCRETE ENCASED.
- DRAINS WHICH ARE CONCRETE ENCASED TO HAVE 18mm FIBREBOARD OR POLYSTYRENE JOINTS AT 5m (MAX) CENTRES.
- CONCRETE SURROUND TO MANHOLES AND DRAINAGE WITHIN THE ADOPTED HIGHWAY TO BE 150mm THICK ST4 CONCRETE.



CLASS 'B' HALF DEPTH GRANULAR SURROUND
a) LAY AND COMPACT TO A THICKNESS NOT LESS THAN 100mm OVER FULL WIDTH OF TRENCH. WHERE TRENCH BOTTOM IS UNEVEN DUE TO HARD SPOTS INCREASE DEPTH BY 100mm. LAY PIPES DIGGING SLIGHTLY INTO BED AND RESTING UNIFORMLY. ADJUST TO LINE AND GRADIENT.
b) LAY & COMPACT GRANULAR MATERIAL UNIFORMLY TO HALF WAY UP EACH SIDE OF PIPE.
c) BACKFILL WITH SELECTED CUSHION OF 'SELECTED FILL'. COMPACT BY HAND IN 100mm LAYERS TO 150mm (250mm FOR ADOPTABLE SEWERS) ABOVE CROWN OF PIPE.

CLASS 'S' GRANULAR SURROUND
a) LAY AND COMPACT TO A THICKNESS NOT LESS THAN 100mm OVER FULL WIDTH OF TRENCH. WHERE TRENCH BOTTOM IS UNEVEN DUE TO HARD SPOTS INCREASE DEPTH BY 100mm. LAY PIPES DIGGING SLIGHTLY INTO BED AND RESTING UNIFORMLY. ADJUST TO LINE AND GRADIENT.
b) LAY & COMPACT GRANULAR MATERIAL IN 100mm LAYERS TO 100mm ABOVE CROWN OF PIPE. SIDEFILL MATERIAL TO BE PLACED EVENLY ON BOTH SIDES OF PIPE TAKING CARE TO WORK THE MATERIAL UNDER THE LOWER QUADRANT OF THE PIPE (ENSURING THE PIPE IS NOT LIFTED). BOTH SIDES OF THE TRENCH SHOULD BE FILLED SIMULTANEOUSLY TO AVOID HORIZONTAL MOVEMENT OF THE PIPE.
c) BACKFILL WITH SELECTED CUSHION OF 'SELECTED FILL'. COMPACT BY HAND IN 100mm LAYERS TO 150mm (250mm FOR ADOPTABLE SEWERS) ABOVE CROWN OF PIPE.

CLASS 'Z' CONCRETE SURROUND
a) FOR CONCRETE MIX SEE 'NOTE 1'
b) LAY CONCRETE BLINDING, 25mm THICK OVER FULL WIDTH OF TRENCH & ALLOW TO SET.
c) LAY PIPES ON BLINDING ON FOLDING WEDGES OF COMPRESSIBLE BOARD TO GIVE MIN 150mm CLEARANCE UNDER THE PIPE.
d) FORM VERTICAL CONSTRUCTION JOINTS IN SURROUND AT FACE OF FLEXIBLE PIPE JOINTS AT MAX 5m c/c USING 18mm THICK COMPRESSIBLE BOARD PRECUT TO PROFILE OF PIPE. FILL ANY GAP BETWEEN SPIGOT AND SOCKET WITH RESILIENT MATERIAL TO PREVENT ENTRY OF CONCRETE.
e) AFTER INITIAL 'TESTING', PLACE AND COMPACT MORE CONCRETE FOR FULL WIDTH OF TRENCH TO ENCASE PIPE TO 150mm ABOVE CROWN.

NOTE 1
CONCRETE SURROUNDS TO BE ST4 CONCRETE TO BS8500:2006 TO SATISFY DESIGN CHEMICAL CLASS 'DC1' AS SPECIFIED IN BRE SPECIAL DIGEST 1:2005 AND TABLE A7 OF BS8500-1:2006.

MAX TRENCH WIDTH	PIPE DIA.	WIDTH
150	600	
225	700	
300	750	
375	1050	
400	1100	
450	1150	

DIM 'A'
MIN 250 (ADOPTABLE)
MIN 150 (GENERALLY)

GENERAL FILL MATERIALS
TRENCHES SHALL BE BACKFILLED WITH MATERIAL EXCAVATED FROM WITHIN THE SITE OR IMPORTED ON TO THE SITE WHICH MEETS THE REQUIREMENTS OF A CLASS 1, 2 OR 3 GENERAL FILL MATERIAL COMPLYING WITH OF THE 'SPECIFICATION FOR HIGHWAY WORK, SERIES 800, TABLE 6/1'. MECHANICAL COMPACTION OF MAIN BACKFILL MATERIAL SHOULD NOT BE COMMENCED UNTIL THEIR IS A TOTAL COVER DEPTH OF 300mm ABOVE THE CROWN OF PIPE.

SELECTED FILL (FILL SELECTED FROM EXCAVATED MATERIAL)
SELECTED FILL FROM EXCAVATED MATERIAL SHOULD BE READILY COMPACTABLE BY HAND AND FREE FROM TIMBER, FROZEN MATERIAL, VEGETABLE MATTER AND FOREIGN MATTER AND EXCLUDE HARD LUMPS OF CLAY RETAINED ON A 100mm SIEVE AND STONES RETAINED ON A 40mm SIEVE.

GRANULAR PIPE BEDDING
PRIVATE PIPEWORK
FOR PIPE SIZE DN100 & DN150, GRANULAR SUPPORT TO COMPLY WITH THE REQUIREMENTS OF A MATERIAL OF DESIGNATION TYPE 4/10 TO BS EN 12620:2002 (i.e. 10mm SINGLE SIZED). FOR PIPE SIZE DN225 & DN300, GRANULAR SUPPORT TO COMPLY WITH THE REQUIREMENTS OF A MATERIAL OF DESIGNATION TYPE 4/20 TO BS EN 12620:2002 (i.e. THE MATERIAL SHOULD HAVE A PARTICLE SIZE THAT IS PREDOMINANTLY WITHIN THE RANGE OF 5 TO 20mm).
ADOPTED PIPEWORK
BEDDING AND SIDEFILL MATERIAL TO CONFORM TO THE REQUIREMENTS OF WATER INDUSTRY SPECIFICATION (WIS) 4-08-02 - 'SPECIFICATION FOR BEDDING AND SIDEFILL MATERIALS INCLUDING RECYCLED AGGREGATES FOR BURIED PIPELINES' (FEBRUARY 1994, INCORPORATING NOVEMBER 2008 AMMENDMENTS).

PIPE SIZE / STRENGTH CLASS / BEDDING

FOR EACH PIPE SIZE THE STRENGTH CLASS AND BEDDING/SIDEFILL (DEPENDANT ON COVER PROVIDED AND DESIGNATION OF SURFACING ie ROADSPARKING, SOFT LANDSCAPING) SHOULD BE AS FOLLOWS :-

CLAY PIPEWORK

VITRIFIED CLAY DRAINAGE GOODS TO BE HEPWORTH SUPERSLEVE OR SIMILAR APPROVED TO BS EN 295-1 (KITEMARKED).

SIZE: DN 100 DN150 DN225 DN300
STRENGTH: FN 40 FN 40 FN 45 FN 72
BEDDING: CLASS 'B' CLASS 'B' CLASS 'B' CLASS 'B'

PVC-U PIPEWORK

PVC-U DRAINAGE GOODS TO BE HEPWORTH PLASTIDRAIN (110 to 1600), HEPWORTH SEWERDRAIN (200 to 6300) OR SIMILAR APPROVED TO BS 4660:2000 AND BS EN 1401-1:1998.

SIZE: DN 110 DN160 DN225 DN300
BEDDING: CLASS 'S' CLASS 'S' CLASS 'S' CLASS 'S'

GULLY POT SIZE Ø450mm x 900mm DEEP (P1) OR Ø375mm x 750mm DEEP (P2)

VITRIFIED CLAY TO BS 65 OR PRECAST CONCRETE TO BS 5911 PART 230 OR INSITU CONCRETE GULLY. GULLY TO BE PROVIDED WITH RODDING EYE AND STOPPER

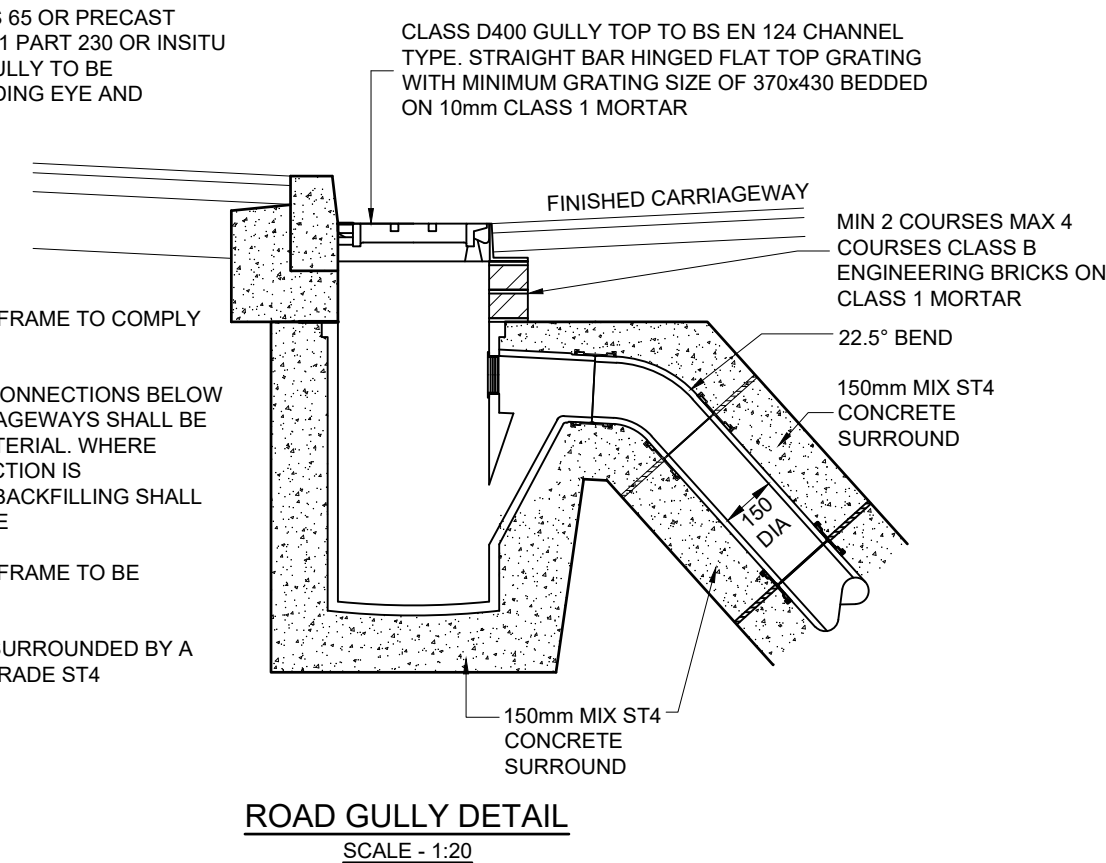
NOTES:

GULLY GRATING AND FRAME TO COMPLY WITH BS EN 124

BACKFILL TO GULLY CONNECTIONS BELOW FORMATION IN CARRIAGEWAYS SHALL BE TYPE 1 SUB-BASE MATERIAL. WHERE MECHANICAL COMPACTION IS IMPRACTICABLE THE BACKFILLING SHALL BE MIX ST4 CONCRETE

GULLY GRATING AND FRAME TO BE HINGED TYPE

INSITU GULLY TO BE SURROUNDED BY A MINIMUM OF 150mm GRADE ST4 CONCRETE



REV	DATE	DRN	DESCRIPTION
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PURPOSE OF ISSUE
PRELIMINARY

CLIENT
EDGEFOLD HOMES

PROJECT
**SPRINGSIDE ROAD
WALMERSLEY
BURY**

TITLE
S38 TYPICAL SECTIONS & DETAILS

JOB No.		DRAWING No.		REVISION	
J292		/ 124			
DRAWN	CHECKED	SCALE	@ SHEET SIZE	DATE	
JSD	MD	AS NOTED	A1	SEPT' 2025	
DRAWING NOT TO BE SCALED					

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