Supplementary Information

The following information is associated with Network Rail Standard:
NR CIV/SD/2502 Rev A

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CAD Drawing

- CIV/SD/2502

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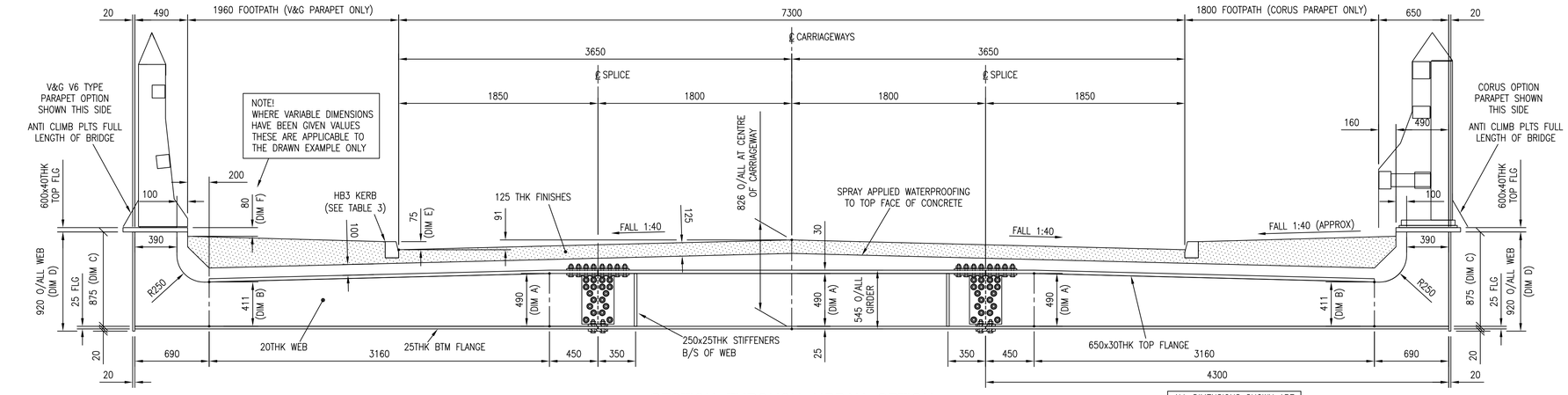
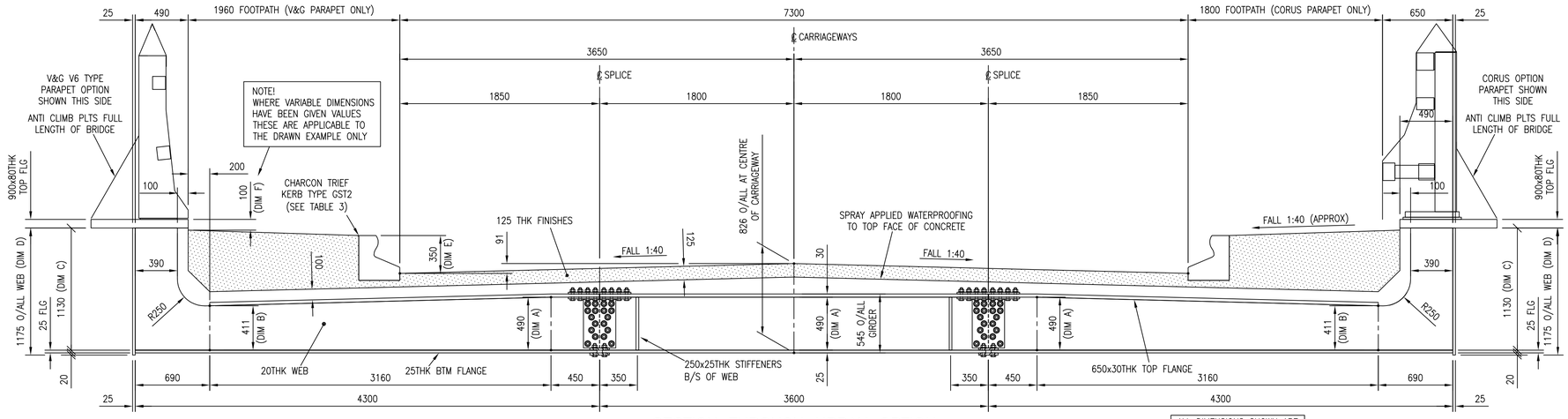
DRAWING No. NR/CIV/SD/2502



SECTION THROUGH URBAN OPTION
9.815m LONGITUDINAL BEARING CENTRES SHOWN (8.5m SPAN @ 30° SKEW)

1:25



SECTION THROUGH URBAN OPTION
25.403m LONGITUDINAL BEARING CENTRES SHOWN (22.0m SPAN @ 30° SKEW)

1:25

NOTE!
O/ALL WEB HEIGHT VARIES DEPENDING ON SPAN
SEE DIM D IN TABLE 2

CROSS GIRDER MAKE-UP			
SKEW	0°	<15°	<30°
TOP FLANGE	600x25	625x25	650x30
WEB	20THK	20THK	20THK
BTM FLANGE	25THK	25THK	25THK
DIM A	495	495	490
DIM B	416	416	411

TABLE 1

KERB & FOOTPATH DETAILS						
LONGITUDINAL BRG CRS	<16.0m	<18.0m	<20.0m	<22.0m	<24.0m	<25.403m
*KERB TYPE	HB3	HB2	HB1	HB1	CADET	GST2
KERB UPSTAND (DIM E)	75	195	220	215	300	350
P'PET UPSTAND (DIM F)	80	80	80	80	80	100

TABLE 3

*NOTE!
"CADET" & "GST2" REFER TO CHARCON TRIEF KERB TYPES

NOTE!
DIM "F" SHOULD NEVER BE LESS THAN 50mm OR EXCEED 100mm TO COMPLY WITH PARAPET MANUFACTURER'S TEST CERTIFICATION LIMITS

NOTE!
LONGITUDINAL BRG CRS ARE ARE PRODUCT OF BRIDGE SPAN & SKEW

MAIN GIRDER MAKE-UP									
LONGITUDINAL BRG CRS	<10.0m	<12.0m	<14.0m	<16.0m	<18.0m	<20.0m	<22.0m	<24.0m	<25.403m
TOP FLANGE	600x40	600x40	600x60	675x60	700x60	820x60	830x80	900x80	900x80
WEB	20THK	20THK	20THK	20THK	25THK	25THK	25THK	25THK	25THK
BTM FLANGE	25THK	25THK	25THK	25THK	25THK	25THK	25THK	25THK	25THK
DIM C	875	875	855	855	970	995	975	1060	1130
DIM D	920	920	900	900	1015	1040	1020	1105	1175

TABLE 2

1. ALL STEEL TO BS EN 1035 GRADE S355 J2+N
2. ALL DIMENSIONS ARE IN MILLIMETRES
3. FOR DETAILS OF SPLICES REFER TO DRAWING NR/CIV/SD/2505
4. FOR DETAILS OF SHEAR STUD REQUIREMENTS, HOLES FOR REBAR THRO' CROSS GIRDER WEBS & WEB TO FLANGE WELD DETAILS REFER TO DRAWING NR/CIV/SD/2508
5. FOR PARAPET NOTES AND DETAILS REFER TO DRAWING NR/CIV/SD/2511

FOR FORM B APPROVAL

Rev	Date	Description of revision	Design'd	C'kd
A		Original Issue		

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Master copy with original signatures held by Network Rail HQ CIVIL ENGINEERING STANDARD DESIGN

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URBAN OPTION CROSS SECTIONS

Scale 1:25

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