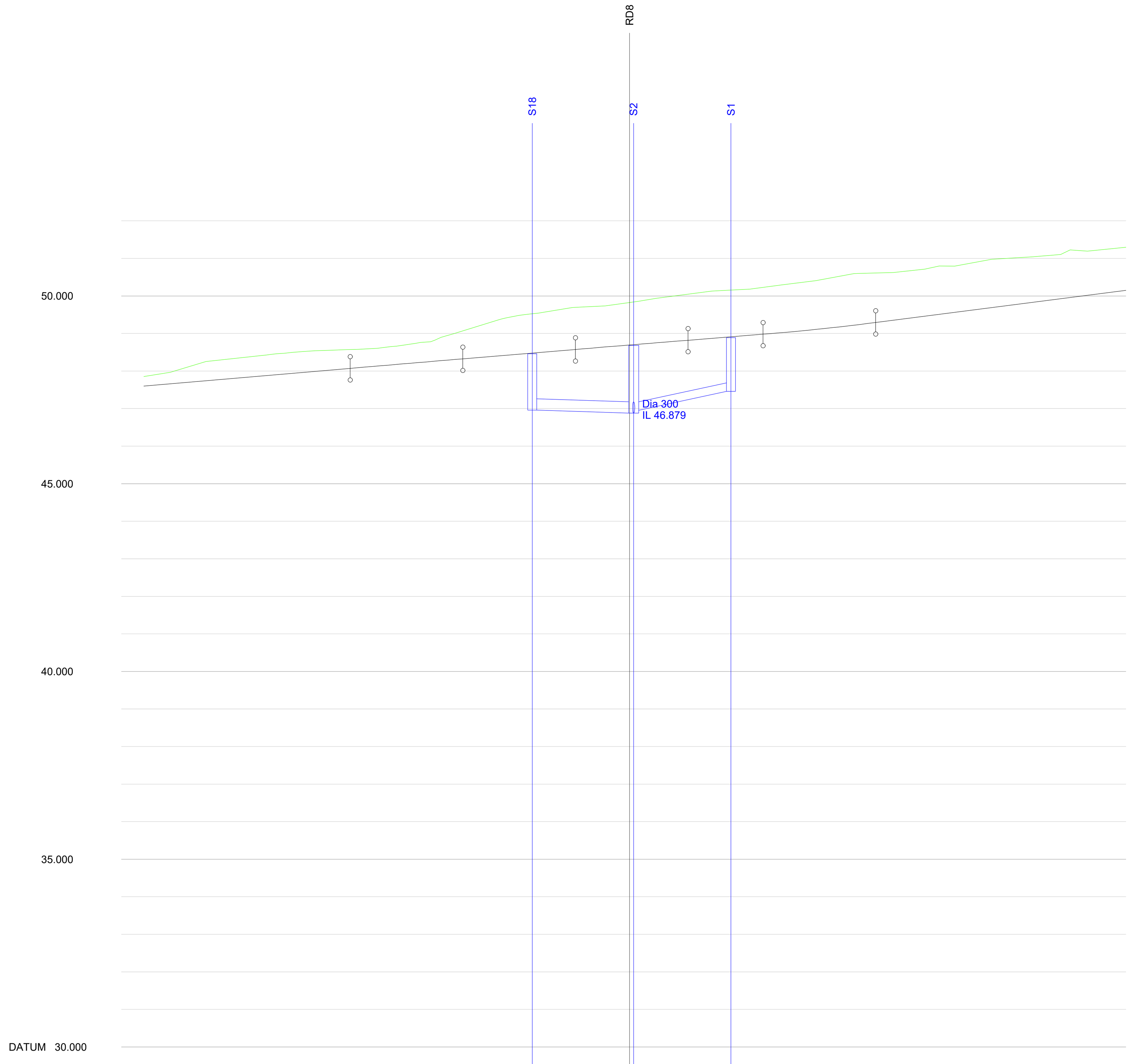
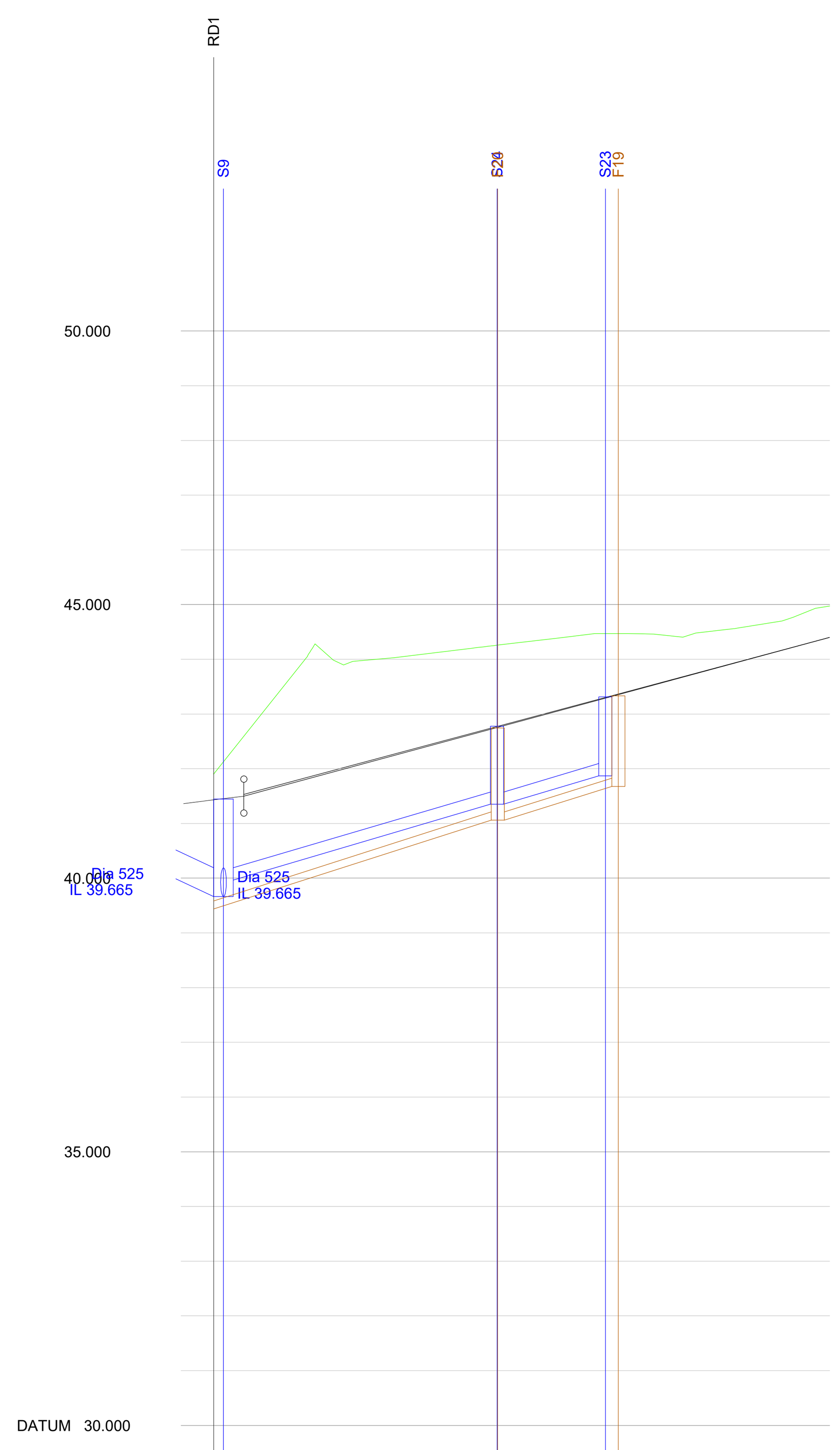


RD8D

CHAINAGE	0.000, 10.000, 16.871, 20.000, 24.311, 27.500, 28.574, 30.000, 35.000, 40.000, 41.322, 42.500, 47.416, 50.000, 51.348, 57.500, 60.000, 64.784, 65.204, 70.000, 72.500, 78.227, 80.000, 82.500, 85.000, 90.000, 95.000, 97.500, 100.000, 110.000, 120.000, 130.000, 130.861
EXISTING GROUND LEVEL	47.854, 48.291, 48.499, 48.591, 48.918, 49.482, 49.721, 49.981, 50.173, 50.422, 50.625, 50.868, 51.069, 51.278, 51.296
ALIGNMENT LEVEL	47.600, 47.771, 47.943, 48.071, 48.114, 48.199, 48.283, 48.325, 48.450, 48.575, 48.617, 48.699, 48.780, 48.820, 48.940, 48.980, 49.022, 49.118, 49.231, 49.293, 49.357, 49.614, 49.871, 50.128, 50.150
VERTICAL ALIGNMENT	G= 1.714% 1: 58.3; L= 15.000 KF= -315.0; G= 1.667% 1: 60.0; L= 15.000 KF= -225.0; G= 1.600% 1: 62.5; KF= 15.46790 L= 15.000; G= 2.570% 1: 38.9
HORIZONTAL ALIGNMENT	R= 20.000; R= 13.000; R= 7.000
LEFT HAND CHANNEL	47.669, 47.840, 48.012, 48.183, 48.352, 48.519, 48.685, 48.849, 49.009, 49.187, 49.426, 49.683, 49.940, 50.197, 50.219
RIGHT HAND CHANNEL	47.531, 47.703, 47.874, 48.045, 48.214, 48.381, 48.548, 48.711, 48.871, 49.049, 49.288, 49.545, 49.802, 50.059, 50.081
STORMWATER COVER LEVEL	48.460, 48.680, 48.889
STORMWATER INVERT	46.960, 46.879, 46.954, 47.460
STORMWATER DETAILS	Pipe 2.000 Dia 300 Circular CLAY 1 in 167; Pipe 1.000 Dia 225 Circular CLAY 1 in 26
STORMWATER LENGTHS	13.518, 12.963
FOULWATER COVER LEVEL	
FOULWATER INVERT	
FOULWATER DETAILS	
FOULWATER LENGTHS	



RD9

CHAINAGE	0.000, 0.895, 2.751, [illegible], 10.000, 20.000, 23.633, [illegible], 30.000, 31.602, 35.812, 36.993, 39.259, 40.000, 50.000
EXISTING GROUND LEVEL	41.902, 44.151, 44.114, 44.353, 44.462, 44.636
ALIGNMENT LEVEL	41.499, 41.892, 42.433, 42.975, 43.517, 44.059, 44.400
VERTICAL ALIGNMENT	G= 5.417% 1: 18.5
HORIZONTAL ALIGNMENT	R= 10.000; R= 10.000; R= 12.000
LEFT HAND CHANNEL	41.875, 41.948, 42.490, 43.031, 43.573, 44.115, 44.456
RIGHT HAND CHANNEL	41.746, 41.769, 41.836, 42.377, 42.919, 43.461, 44.002, 44.344
STORMWATER COVER LEVEL	41.448, 42.777, 43.315
STORMWATER INVERT	39.965, 41.350, 41.350, 41.870
STORMWATER DETAILS	Pipe 5.001 Dia 225 Circular CLAY 1 in 18; Pipe 5.000 Dia 225 Circular CLAY 1 in 18
STORMWATER LENGTHS	25.232, 9.517
FOULWATER COVER LEVEL	42.742, 43.333
FOULWATER INVERT	41.060, 41.060, 41.675
FOULWATER DETAILS	Pipe 3.001 Dia 150 Circular CLAY 1 in 16; Pipe 3.000 Dia 150 Circular CLAY 1 in 18
FOULWATER LENGTHS	26.335, 11.255

CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:–

RSK LDE LTD has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing.
Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

Notes:

1. This drawing is to be read in conjunction with the Standard Details, the layouts, schedules and specification for this project.

2. All adoptable drainage to be constructed in conjunction with Design and Construction Guidance for Drainage or as stipulated in Southern Water Addendum.

3. For guidance on types and distances of proposed trees away from adoptable sewers refer Design and Construction Guidance for Drainage Restrictions On Tree Planting Adjacent To Sewers.

4. A + 1% gradient represents a rise of 1m in 100m.

5. Left and right hand channels are on the left and right hand side respectively, when standing at zero chainage and looking along the road.

6. A level at any point 'X'm from the start of a vertical curve is given by the formula:-

$$\text{Level @ 'X'} = \text{Level @ start of the curve} + \frac{AX}{100} - \frac{(A-B)X}{200L}$$

where A and B are the gradients at the start and end of the curve respectively and having the algebraic signs +/, - .

7. LHG and RHG indicates a left and right hand gully respectively.

8. Pipe sizes are stated in millimetres and levels are shown in metres A.O.D.

9. All pipes to have flexible joints with granular bedding (ClaS S) unleS stated otherwise. Where 150mm concrete bed and surround is specified the concrete must be broken at the joint positions by the insertion of a "flexcell" collar.

10. Connections to existing sewers are to be "SOFFIT TO SOFFIT" unleS noted otherwise.

11. All concrete pipes to be CLAS 'M' All clay pipes shall comply with BSEN 295-1 crushing strengths and shall have a minimum crushing crushing strength of 34KN/m. All Concrete pipes 300Ø and above shall be claS 120 and have a minimum crushing strength of 36kn/m

12. 'MV' is equal to the rate of change of gradient and is calculated from the formula:-

$$MV = 100 * \frac{(A-B)}{L}$$ where A and B are as in Note 4 above.

13. Existing levels to be confirmed on site prior to commencement of works.

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
P04	30.06.25	Long Section updated to suit new site layout	SB	GXA	RD
P03	13.12.2024	Issued for PLANNING RESUBMISSION	SB	GXA	RD

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Client
BARRATT DAVID WILSON (SOUTHERN COUNTIES)

Project Title
NEW PLACE FARM
PULBOROUGH
WEST SUSSEX

Status
PLANNING

Drawing Title
LONG SECTION ROADS 8D AND 9

Drawn	Date	Checked	Date	Approved	Date
LN	09.24	GXA	09.24	RD	09.24

Scale	Orig Size	Dimensions
1:500	A1	m

Project No. 890815
Drawing File 890815-RSK-ZZ-XX-DR-C-8013 to 8022 Long Sections.dwg

Drawing No.

Project	Orig.	Vol./Sys.	Lev./Loc.	Type	Role	Draw. No.	Rev.
890815	RSK	ZZ	XX	DR	C	8018	P04

Scale 1:500
0 5 10 15 20 25m

File Location: Z:\PLDE (PROJECTS)\890815 - NEW PLACE FARM, PULBOROUGH\GRAPH\INFRASTRUCTURE\DRAWINGS\8 - PLANNING\890815-RSK-ZZ-XX-DR-C-8013 TO 8022 LONG SECTIONS.DWG