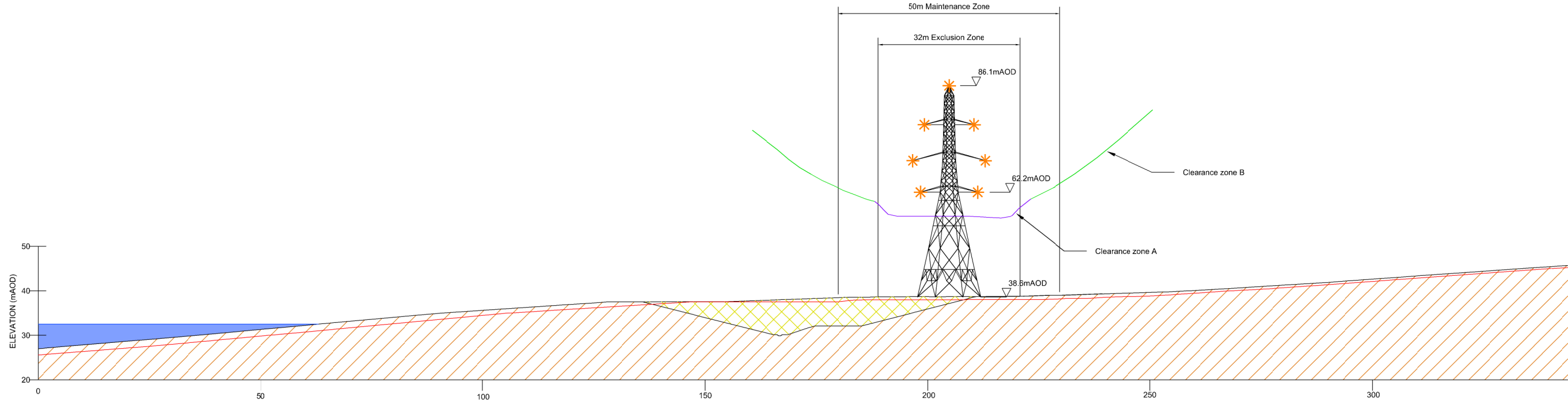
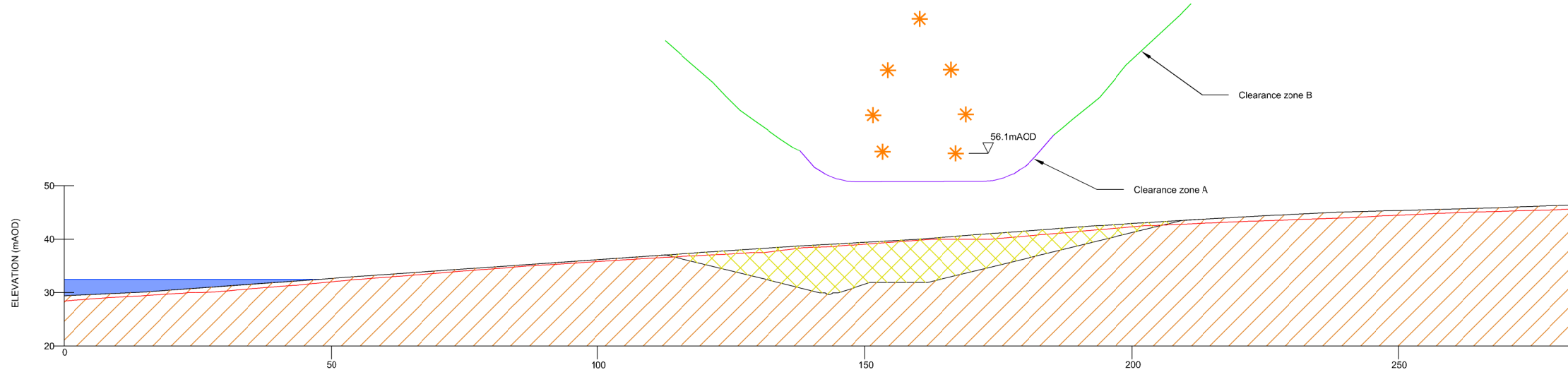


**SECTION D-D**  
THROUGH PC9



**SECTION E-E**  
BETWEEN PC9-PC10



- Notes:
- 1). All sections are taken perpendicular to the RCP looking east.
  - 2). Clearance Zone based upon clearances in the Electricity Networks Association (ENA) Technical Specification 43-8 Issue 4 2015. Clearance Zone A shown is for climbable trees 5.3m clearance provided to the conductor. For Coppiced trees clearance zone A will be 2.2M higher towards the RCP conductors (3.1m clearance provided to the conductor). Clearance Zone B is for falling trees with 3.1m clearance provided to the conductor.
  - 3). Clearance zone for fixed trees to conductor swing includes an offset of 3m to account for breadth of canopy, such that the zone can reflect maximum tree height.
  - 4). Clearance from bridge deck to conductor must be at least 8.1m and from other physical infrastructure on bridge to conductor 5.3m. SEW do not anticipate that handrails or lights to be greater than the 2.8m difference. Thus provided 8.1m clearance is achieved this is satisfactory.
  - 5). Exclusion zone of 32m and Maintenance zone at 50m shown around pylons is generic zone as per NG proposal. Exact size and extent will be advised by NG to account for physical obstruction and minimum required access and working space.
  - 6). The clearance zone is for maximum permissible tree height and does not represent tree heights attained between maintenance activity periods when trees will be substantially lowered to allow for growth within agreed maintenance scheduled frequency.
  - 7). Clearance zone B (falling trees) shown to maximum height of 40m above ground level to reflect maximum height of tree species proposed (e.g. Oak).
  - 8). The tables give distances at different points along the cross section. The minimum distance from the finished ground surface to the clearance zone may be less than the lowest value shown in the table.

- KEY:
- Excavation for 32.5mAOD TWL
  - Existing Ground
  - RCP Overhead Line
  - Lidar Ground Level
  - Ground Level based on SEW contours
  - 36mAOD TWL Reservoir
  - 32.5mAOD TWL Reservoir
  - Clearance Zone A (32.5mAOD TWL Reservoir)
  - Clearance Zone B (32.5mAOD TWL Reservoir)

**DIMENSION TABLE SECTION D-D**

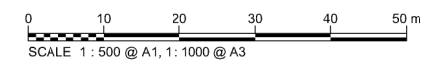
Item	Ref	Spot Level from SEW Contour Plan (m AOD)	Difference between SEW contours and Lidar levels (m)	Distance from Spot Level to Clearance Zone (m)
32.5m AOD Reservoir River Cutting	a	37.52	+0.66	>40
	b	33.79	+0.03	>40
	c	30.13	+0.43	>40
	d	29.88	+0.48	>40
	e	30.13	+0.5	>40
	f	32.08	+0.76	34
	g	32.08	+0.61	(29) <sup>1</sup>
	h	35.40	+0.72	(21) <sup>1</sup>
	i	38.70	+0.67	(18) <sup>1</sup>

- 1). Point falls within pylon exclusion/maintenance zone, and this criterion controls tree planting. Figure in brackets is the distance to the planting clearance zone (derived from the conductor elevation and finished surface level).
- 2). For location of reference point along cross section, see drawing B14000AT-501.

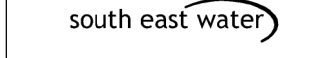
**DIMENSION TABLE SECTION E-E**

Item	Ref	Spot Level from SEW Contour Plan (m AOD)	Difference between SEW contours and Lidar levels (m)	Distance from Spot Level to Clearance Zone (m)
32.5m AOD Reservoir River Cutting	a	37.05	+0.46	>40
	b	33.55	+0.64	30
	c	29.94	+0.43	23
	d	29.64	+0.47	22
	e	29.94	+0.47	22
	f	31.89	+0.35	19
	g	31.89	+0.20	19
	h	37.69	+0.89	22
	i	43.50	+0.72	39

- 1). For location of reference point along cross section, see drawing B14000AT-501.



Rev	Revision Date	Purpose of revision	Drawn	Checked	Revised	App'd
0	07-09-2016	FINAL DRAFT FOR AGREEMENT WITH NG	PS	CF	JDG	AJS



Project: BROAD OAK RESERVOIR

Drawing title: SECTIONS D-D & E-E

Drawing status: DRAFT

Scale: 1:500 (@A1) Do not scale

Drawing number: B14000AT-504 Rev: 0

The drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

P:\B14000A0 - Broad Oak Res & Richborough Connection Study\6 CAD\Written Representation Drawings\Spot Height Plans\_for Deadline 4\CAD + R\B14000AT-504.dwg - 09/09/2016 13:40:47 - 1025 - StanPab