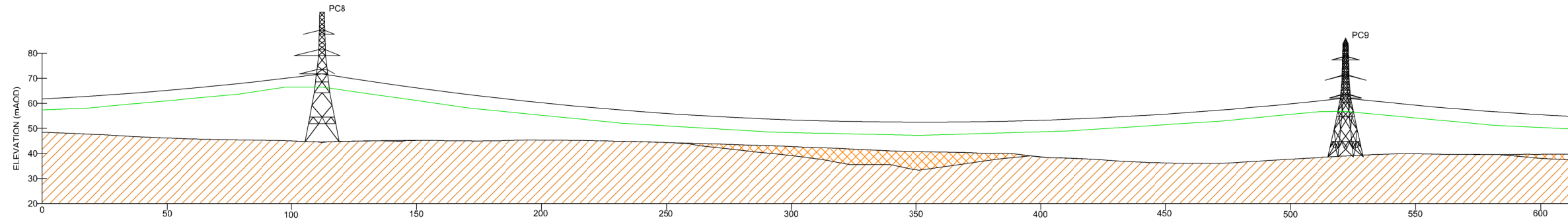
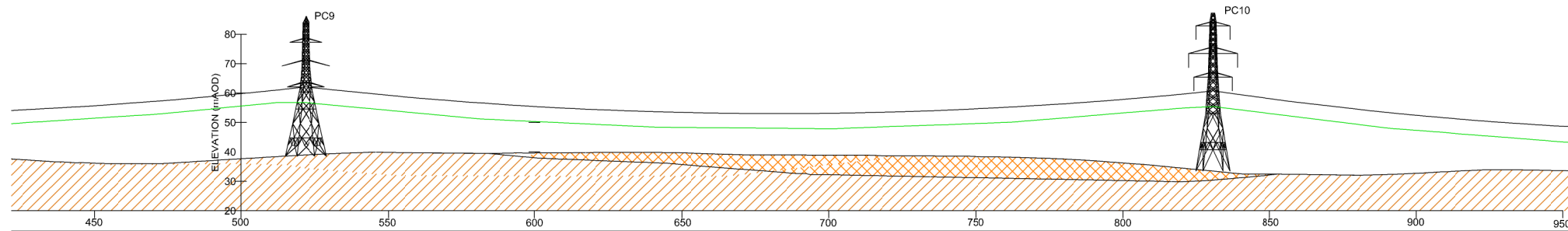


# SECTION J-J

ALONG RCP BENEATH LOWEST CONDUCTOR (ON NORTHERN SIDE)



Section	A-A	B-B	C-C	D-D	E-E
Chainage (m)	112.2	302.3	441.0	522.0	592.2
Distance from spot level to clearance zone on line of conductor (32.5mAOD TWL)	22m	6m	15m	22m	12m
Minimum distance from spot level to clearance zone at Section (32.5mAOD TWL)	>40m	26m	14m	18m	19m
Distance from spot level to clearance zone on line of conductor (36mAOD TWL)	22m	9m	14m	18m	11m
Minimum distance from spot level to clearance zone at Section (36mAOD TWL)	21m	8m	34m	31m	11m



Section	E-E	F-F	G-G	H-H	I-I
Chainage (m)	592.2	649.0	685.5	756.5	830.7
Distance from spot level to clearance zone on line of conductor (32.5mAOD TWL)	12m	17m	14m	12m	22m
Minimum distance from spot level to clearance zone at Section (32.5mAOD TWL)	19m	15m	11m	12m	>40m
Distance from spot level to clearance zone on line of conductor (36mAOD TWL)	11m	13m	15m	19m	25m
Minimum distance from spot level to clearance zone at Section (36mAOD TWL)	11m	13m	13m	16m	21m

- Notes:
- All sections are taken perpendicular to the RCP looking east.
  - 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.
  - 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.
  - 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 3.1m clearance is achieved this is satisfactory.
  - 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.
  - 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.
  - 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).
  - 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 36mAOD TWL
  - Existing Ground
  - Primary Dam
  - Ground Level based on SEW contours
  - Planting clearance zone (36mAOD TWL Reservoir)

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

Client: south east water

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Project: BROAD OAK RESERVOIR

Drawing title: SECTION J-J FOR 36mAOD RESERVOIR SCHEME

Drawing status: DRAFT

Scale: 1:1000 @ A1 Do not scale

Drawing number: B14000AT-607 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.

