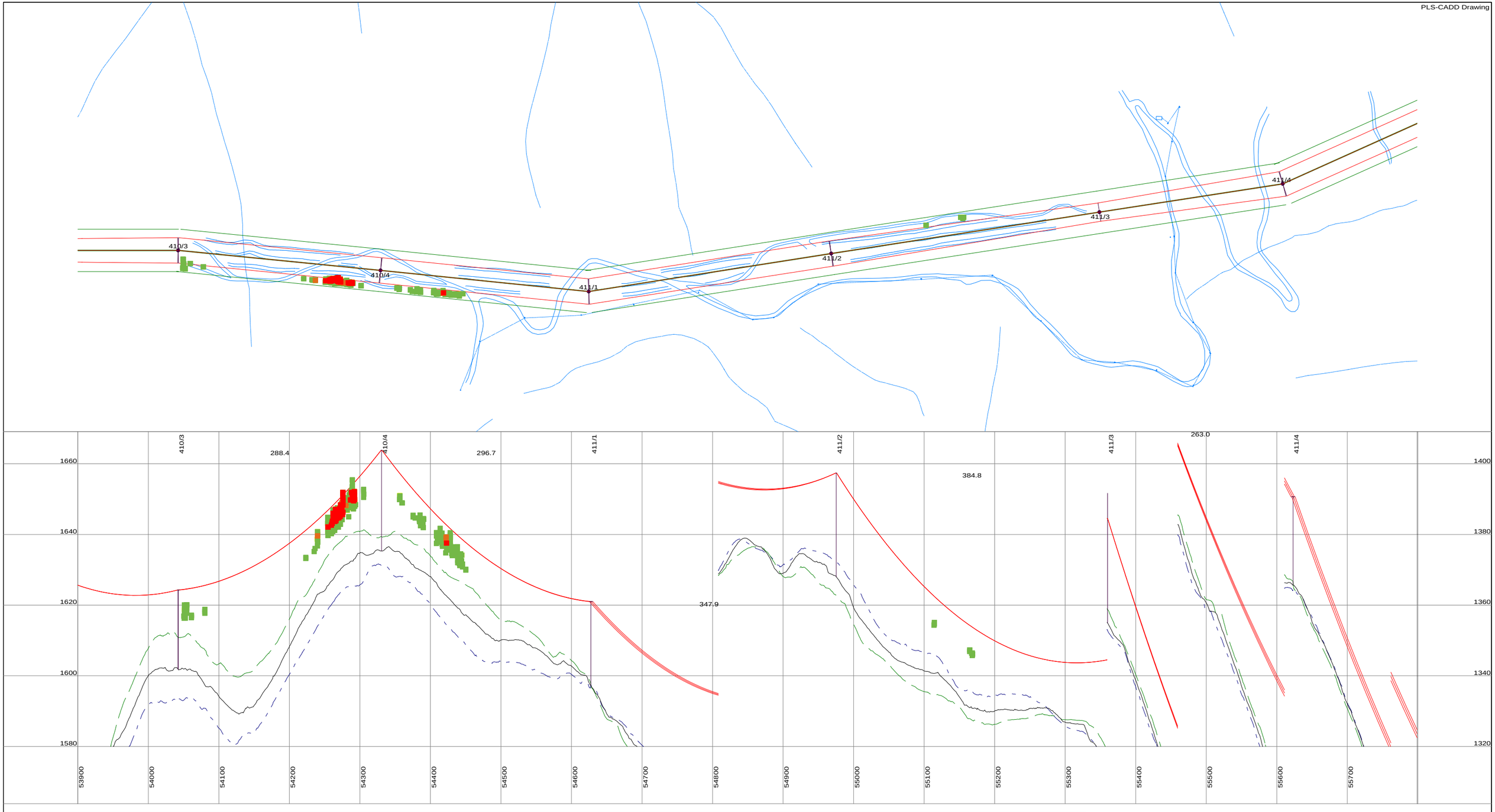
PLS-CADD Drawing



Legend

- Operational Clearance Violation (Hot Static Conductor)
- Operational Clearance Violation (Swung Conductor)
- Maintenance Clearance Violation (Hot Static Conductor)
- Maintenance Clearance Violation (Swung Conductor)
- Structure Centroid
- Reference Line (30m Offset from C/L)
- Conductor
- Left Side Profile (@ 14m offset)
- Right Side Profile (@ 14m offset)

Notes:

1) Conductors are shown in the 64 C Bare Creep FE condition
2) Conductor to Vegetation Clearance Criteria:

Operational Clearance
Hot Static (Max. Sag) Creep FE conductor condition
- V=5.5m (3.2m flashover + 0.8m LiDAR tolerance + 1.5m veg. growth allowance)
- H=4.5m (3.2m flashover + 0.8m LiDAR tolerance + 0.5m veg. growth allowance)

Swung (Incremental CSA Wind) Creep FE conductor condition
- V=5.5m (3.2m flashover + 0.8m LiDAR tolerance + 1.5m veg. growth allowance)
- H=4.2m (3.2m flashover + 0.8m LiDAR tolerance + 0.2m veg. growth allowance)

Maintenance Clearance
Hot Static (Max. Sag) Creep FE conductor condition
- V=8.3m (6.0m limit of approach + 0.8m LiDAR tolerance + 1.5m veg. growth allowance)
- H=7.3m (6.0m limit of approach + 0.8m LiDAR tolerance + 0.5m veg. growth allowance)

Swung (Incremental CSA Wind) Creep FE conductor condition
- V=6.8m (3.2m flashover + 0.8m LiDAR tolerance + 2.8m veg. growth allowance)
- H=4.4m (3.2m flashover + 0.8m LiDAR tolerance + 0.4m veg. growth allowance)

References

50.0 m — Horiz. Scale

10.0 m — Vert. Scale

North

Drawn By: RR	BC hydro
Checked:	5L42 Kelly Lake Sub to Cheekye Sub Vegetation Clearance Violations Hot Static and Swung Conductors Plan and Profile
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