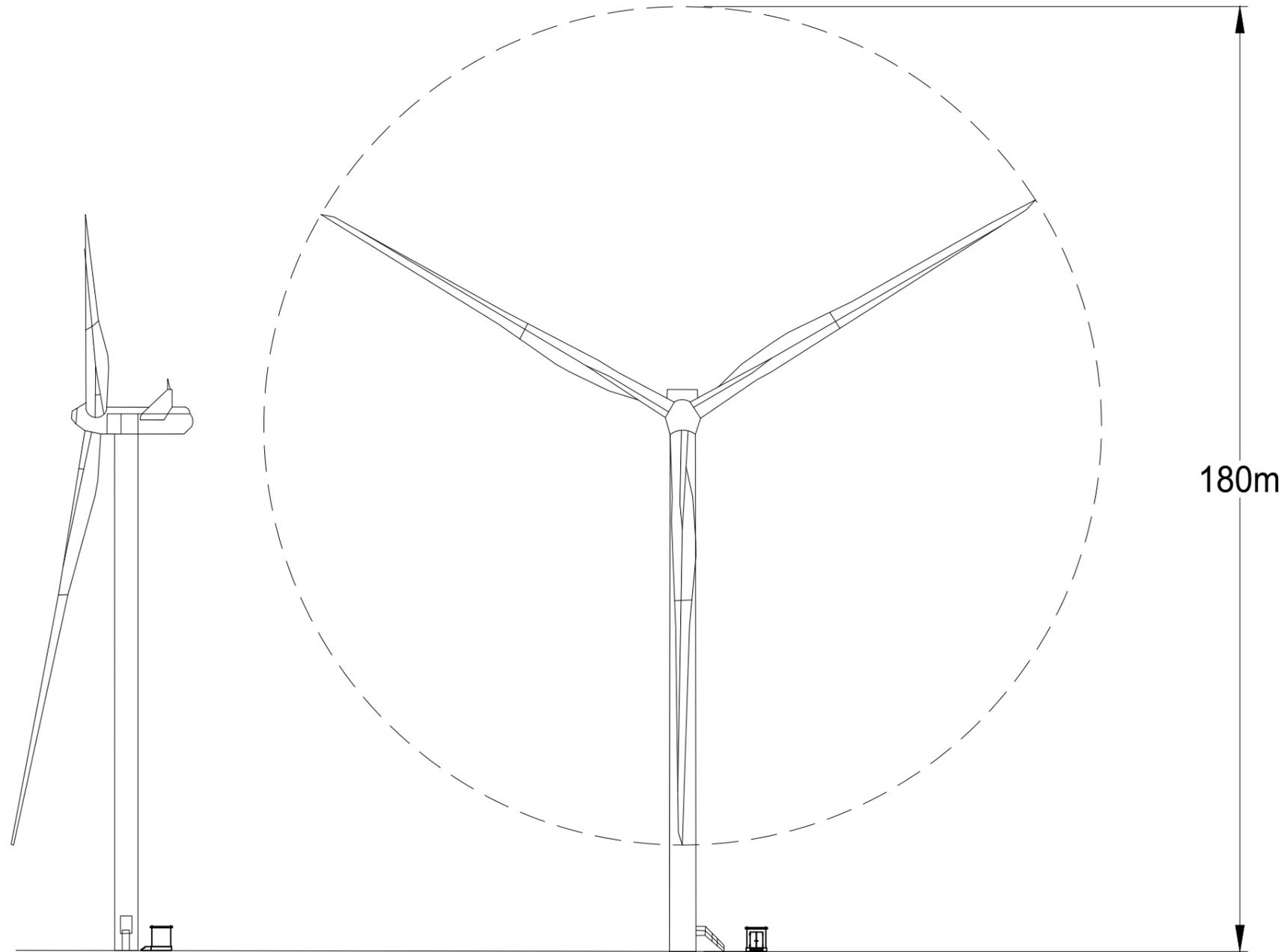


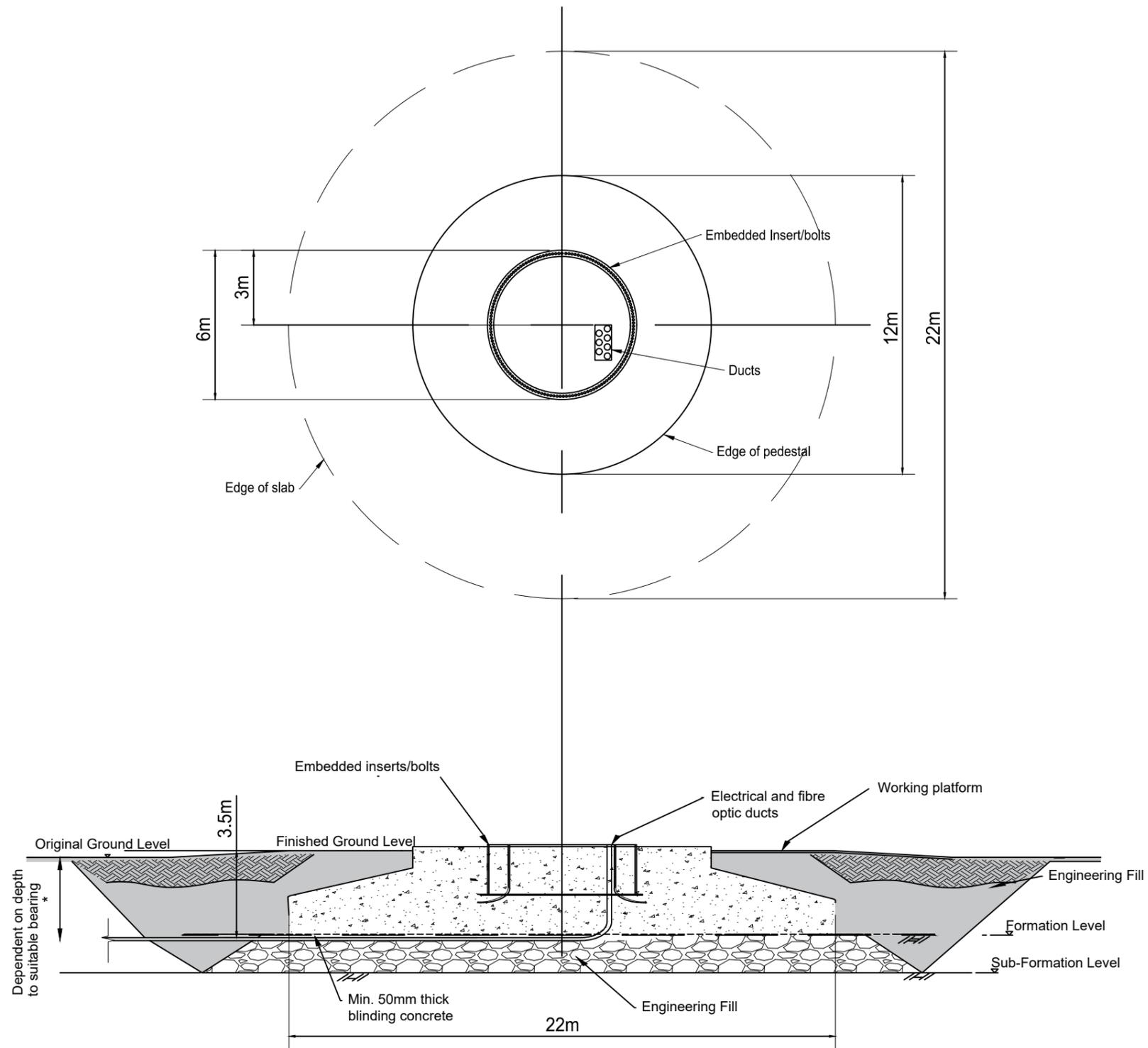
Figure 4.2: Typical Wind Turbine - 180m Tip Height



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Figure 4.3: Typical Turbine Foundation



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Figure 4.4: Typical Crane Hardstanding

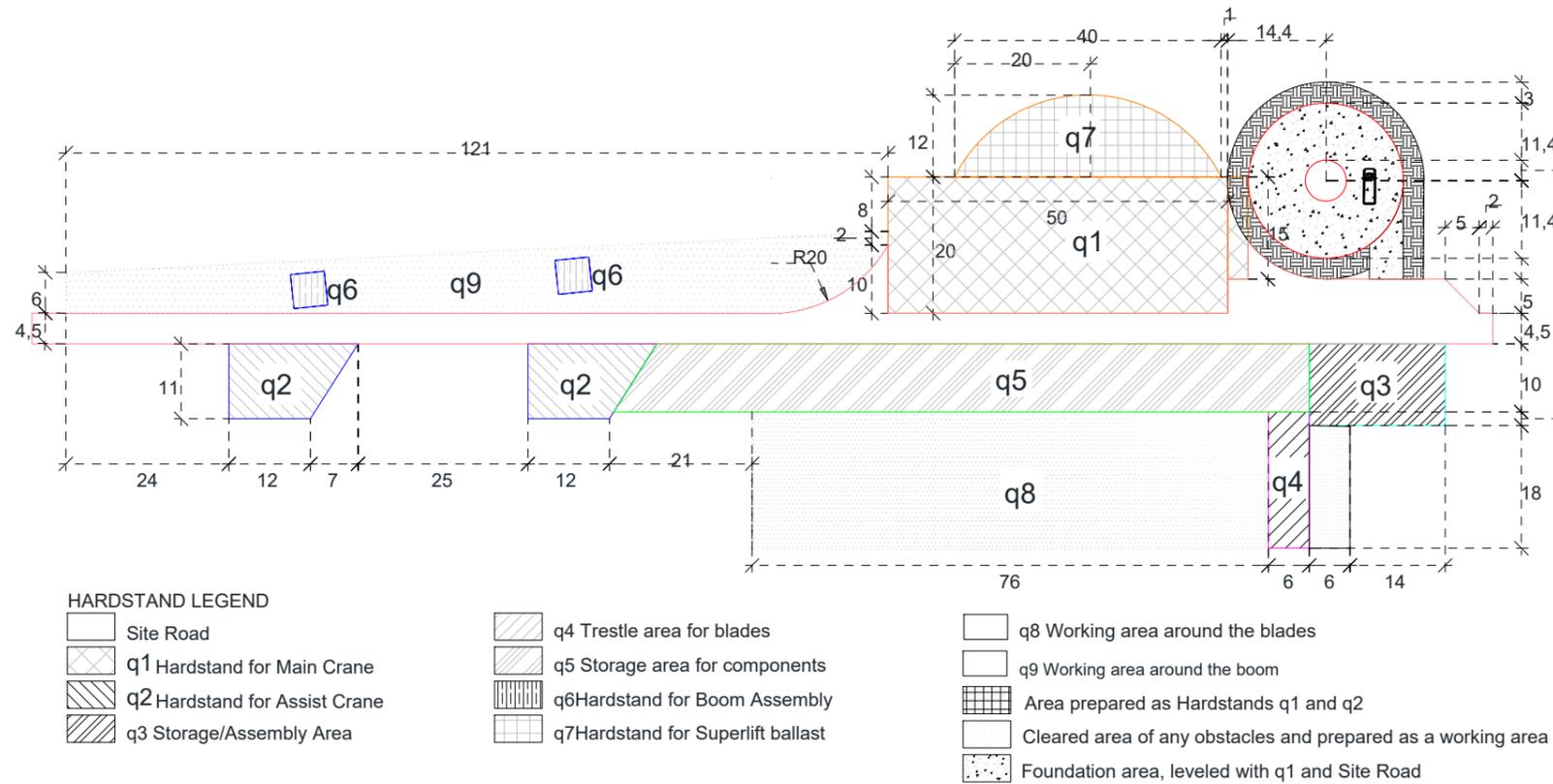


Figure 1: Example of Installation Area with modified rectangular Hardstand for the Main Crane (LG1750)

Area	Description	Max. fall	Area (m <sup>2</sup> )	Dimensions (m)	Maintenance	Relationship to other q areas
Road	Site road section from q1 to q2	≤0.25%		4,5	Permanent	Level with q1, q2, q3 and q5
q1	Hardstand for Main Crane	≤0.25%	1,045	(50 x 20) + (15 x 3)	Permanent	See comments below
q2	Hardstand for Assist Crane	1.5%	341	2x (12 x 11) + 77	Temporary	Ideally the q2 will be level with the site road, if not, then access for the assist crane must be provided.
q3	Storage/Assembly Area	≤0.25%	240	20 x 12	Temporary	Level with site road, q4 and q5
q4	Trestle area for blades	≤0.25%	120	6 x 20	Temporary	Level with q3, q5 and q8
q5	Storage area for components	≤0.25%	975	(96 x 10) + 15	Temporary	Level with site road, q2, q3, q4 and q8
q6	Hardstand for boom assembly	≤0.25%	50 / 75	2x (5 x 5) or 3x (5 x 5)	Temporary	Level with or higher than q1.
q7	Hardstand for Superlift ballast	≤0.25%	336	12 x 40 – 12 x 12	Temporary	Level with q1
q8	Working area around the blades	≤0.25%	1.628	76 x 20 + 6 x 18	Temporary	Level with q4 and q5
q9	Working area around the boom	≤ 1.5%	835 or 810	885m <sup>2</sup> – (2x 5x5) or 885m <sup>2</sup> – (3x 5x5)	Temporary	Level with site road

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Figure 4.5: Typical Anemometer Mast

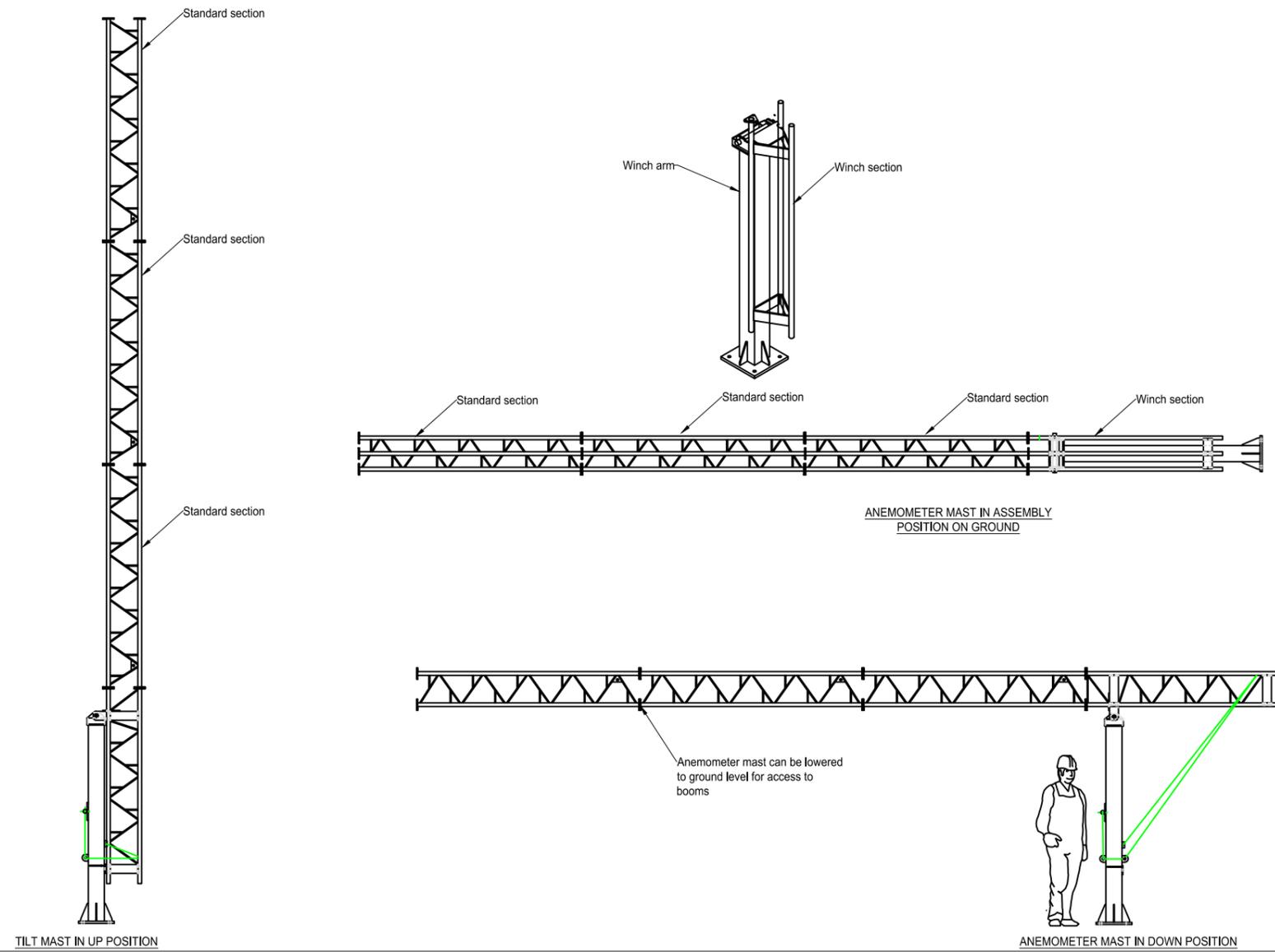
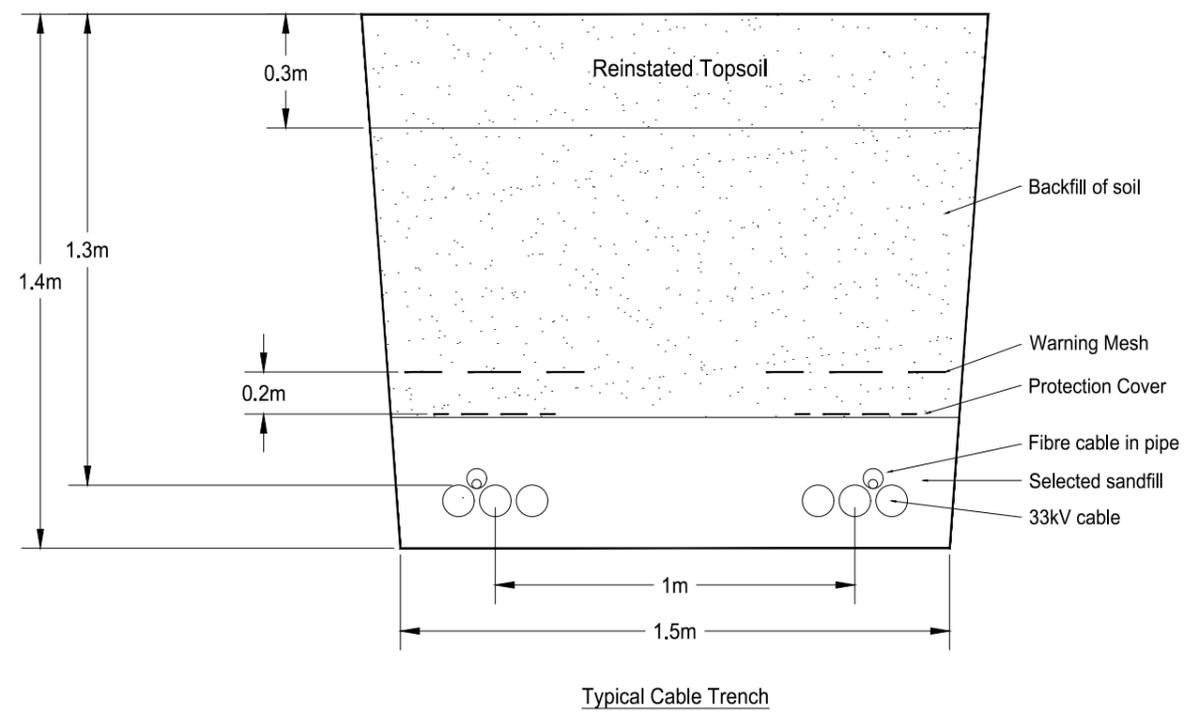


Figure 4.6: Typical Cable Trench



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Figure 4.7a: Proposed Compound and Substation Layout

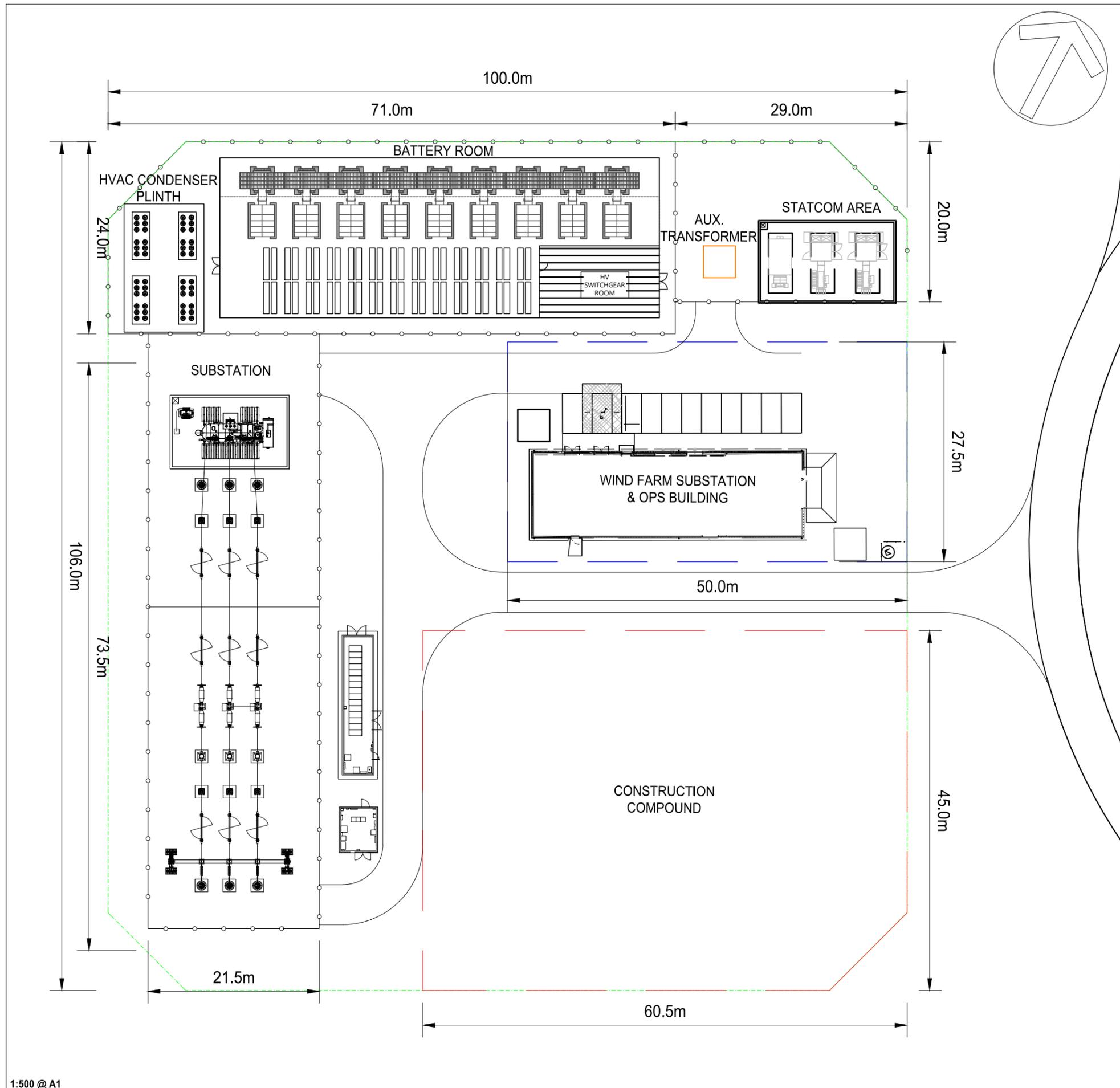
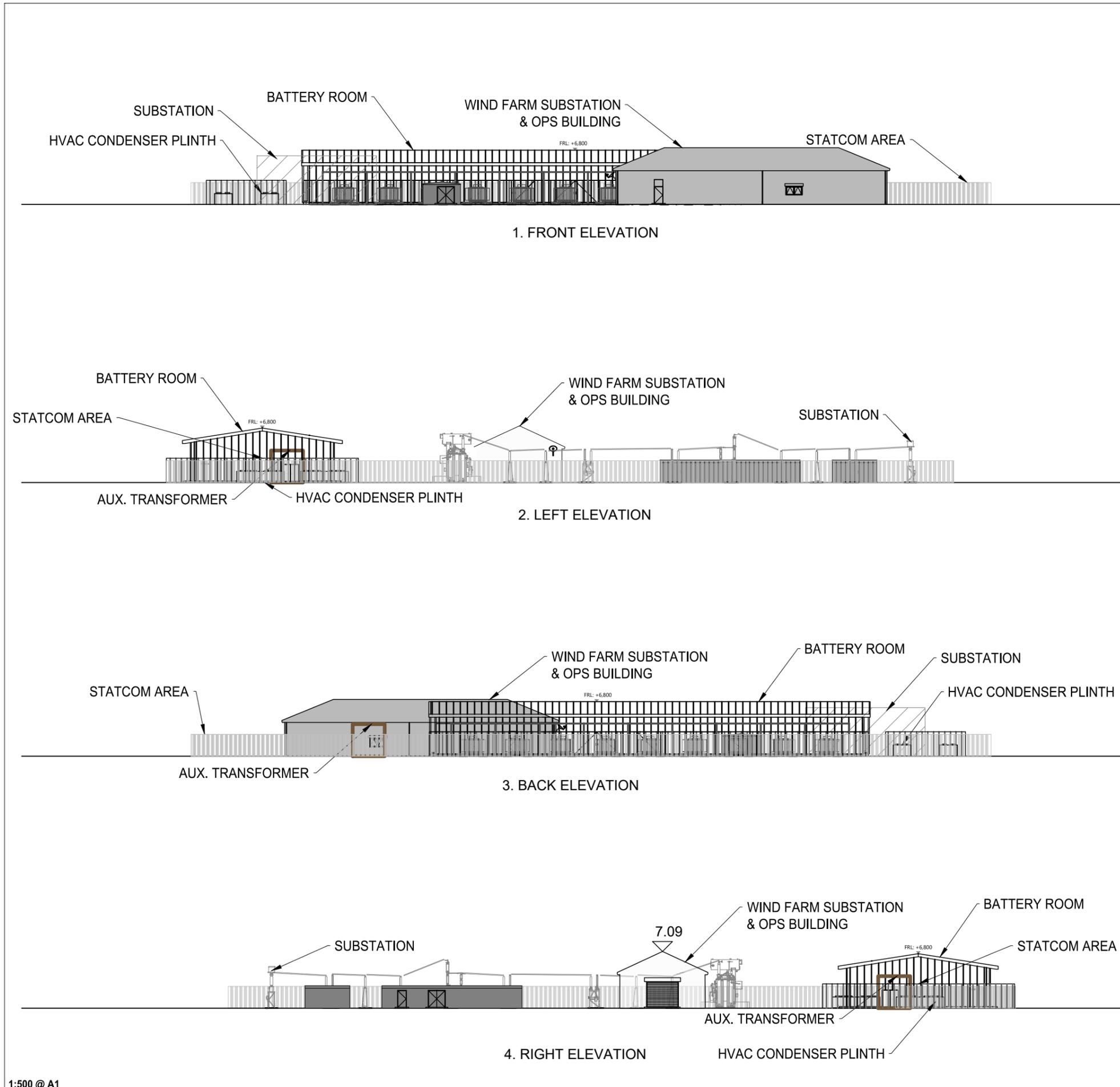


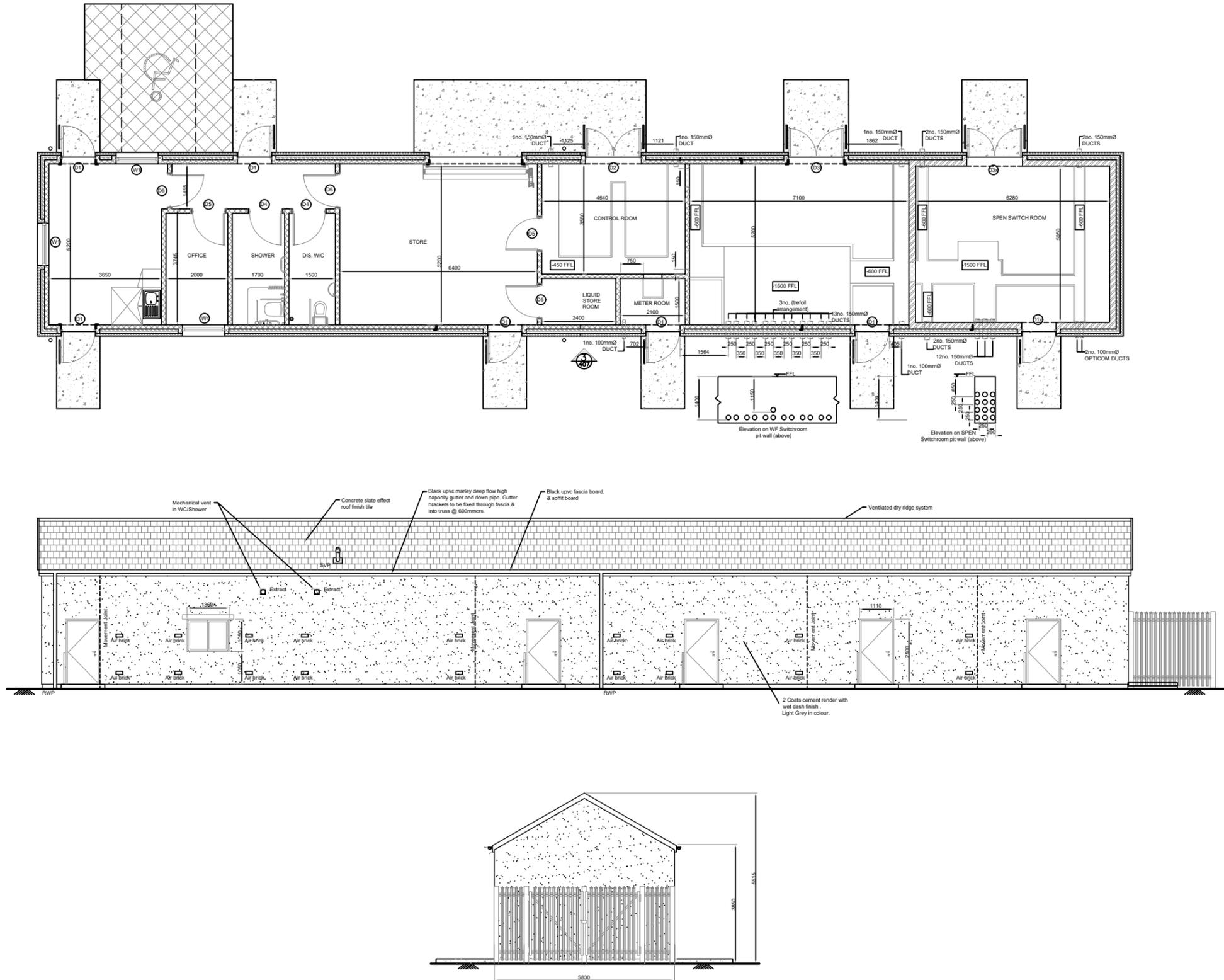
Figure 4.7b: Proposed Substation Elevations



1:500 @ A1

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Figure 4.8: Typical Onsite Control Building - Plan and Elevation



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Figure 4.9: Typical Onsite Energy Storage Facility - Plan and Elevation

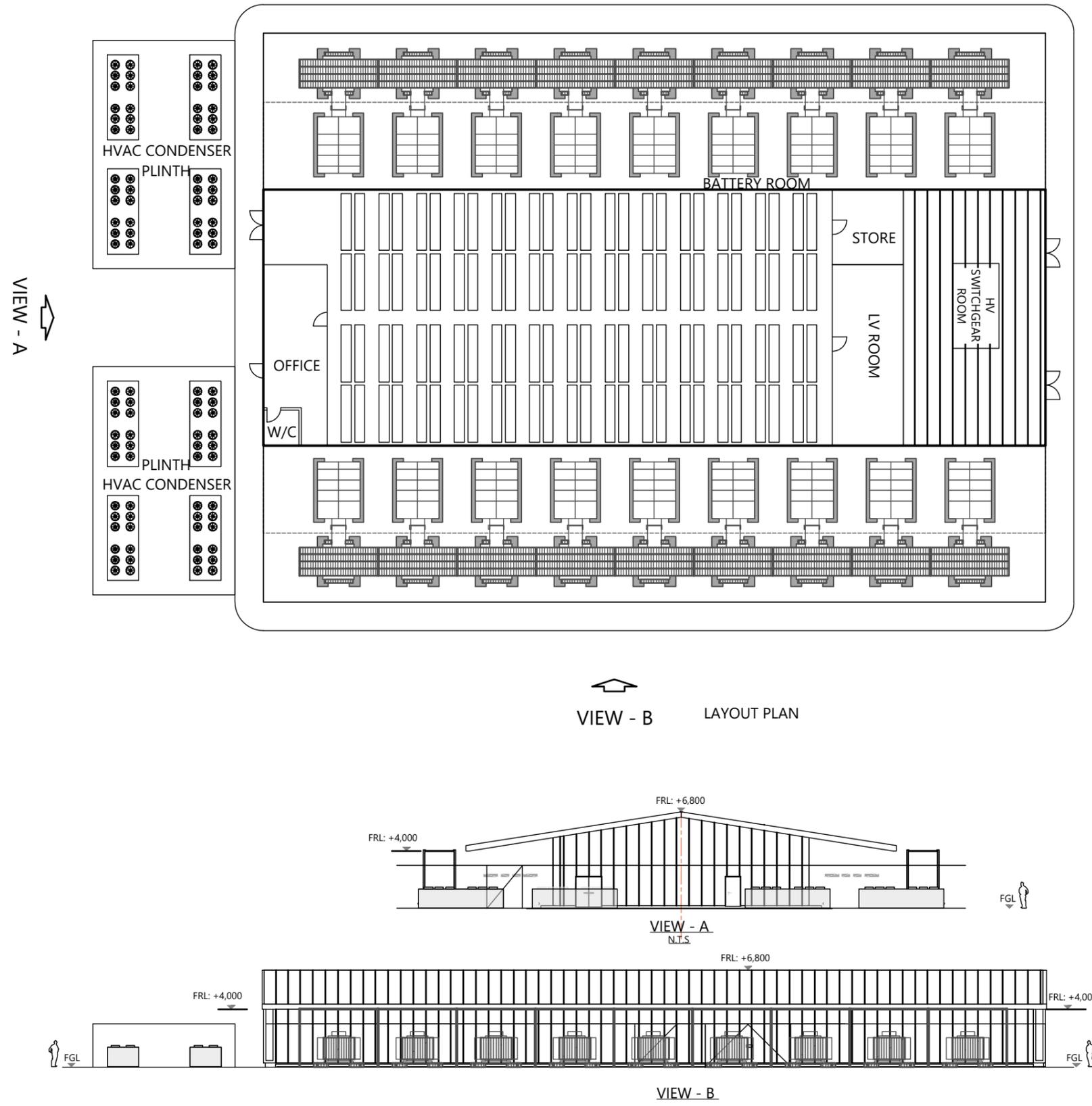


Figure 4.10: Proposed Construction Compound Layout

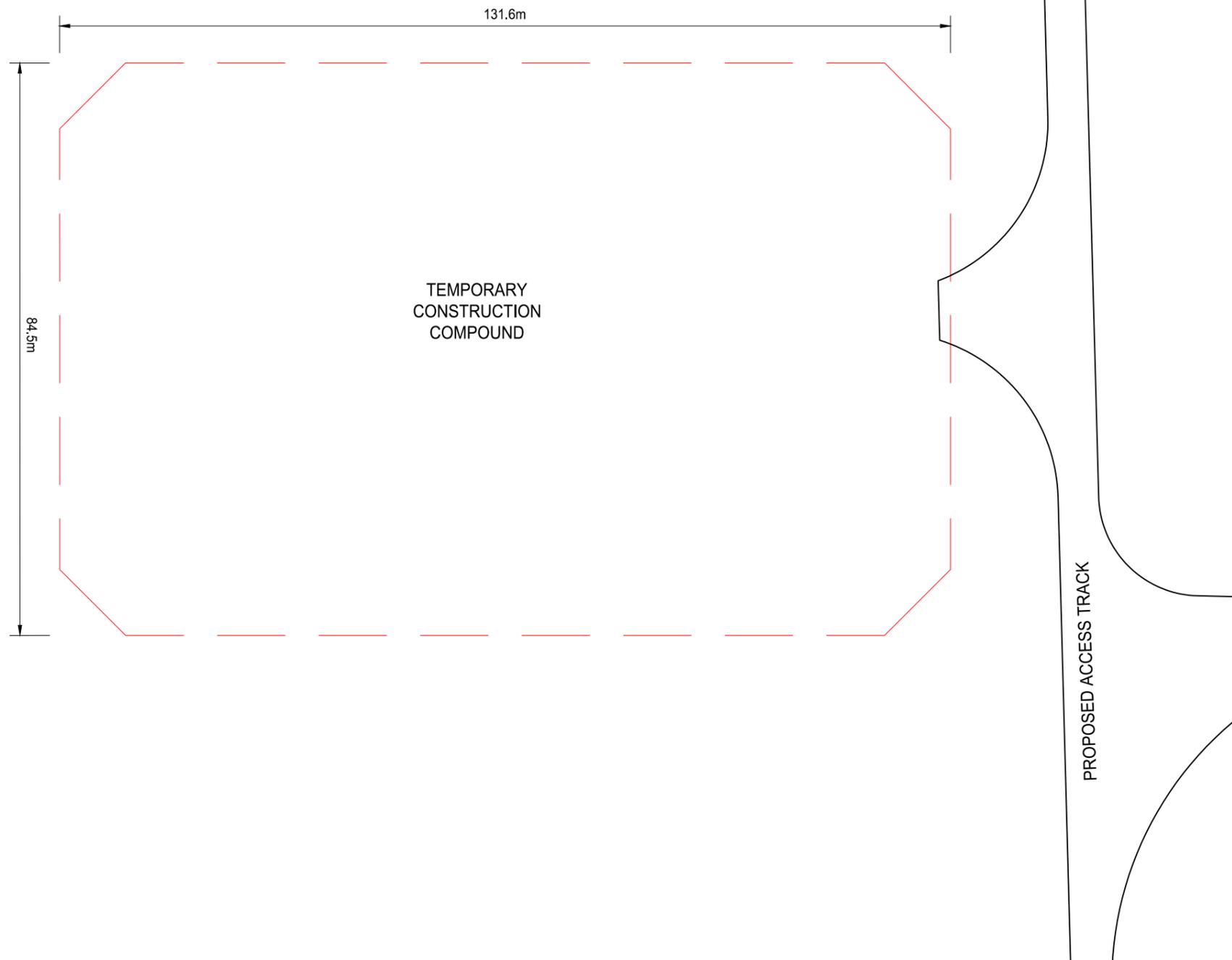


Figure 4.11: Typical Cut and Floating Track Details

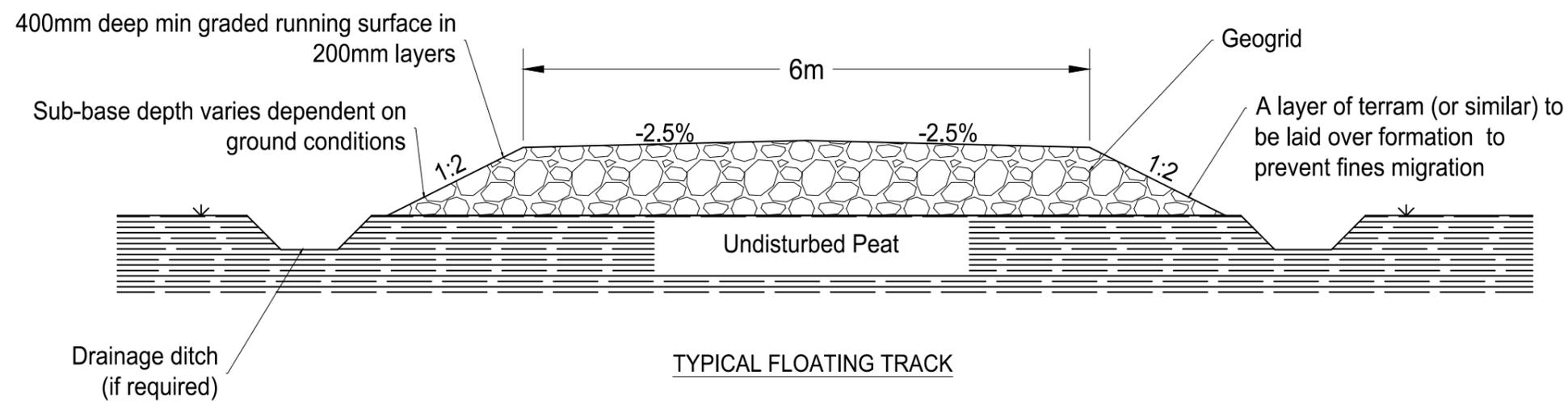
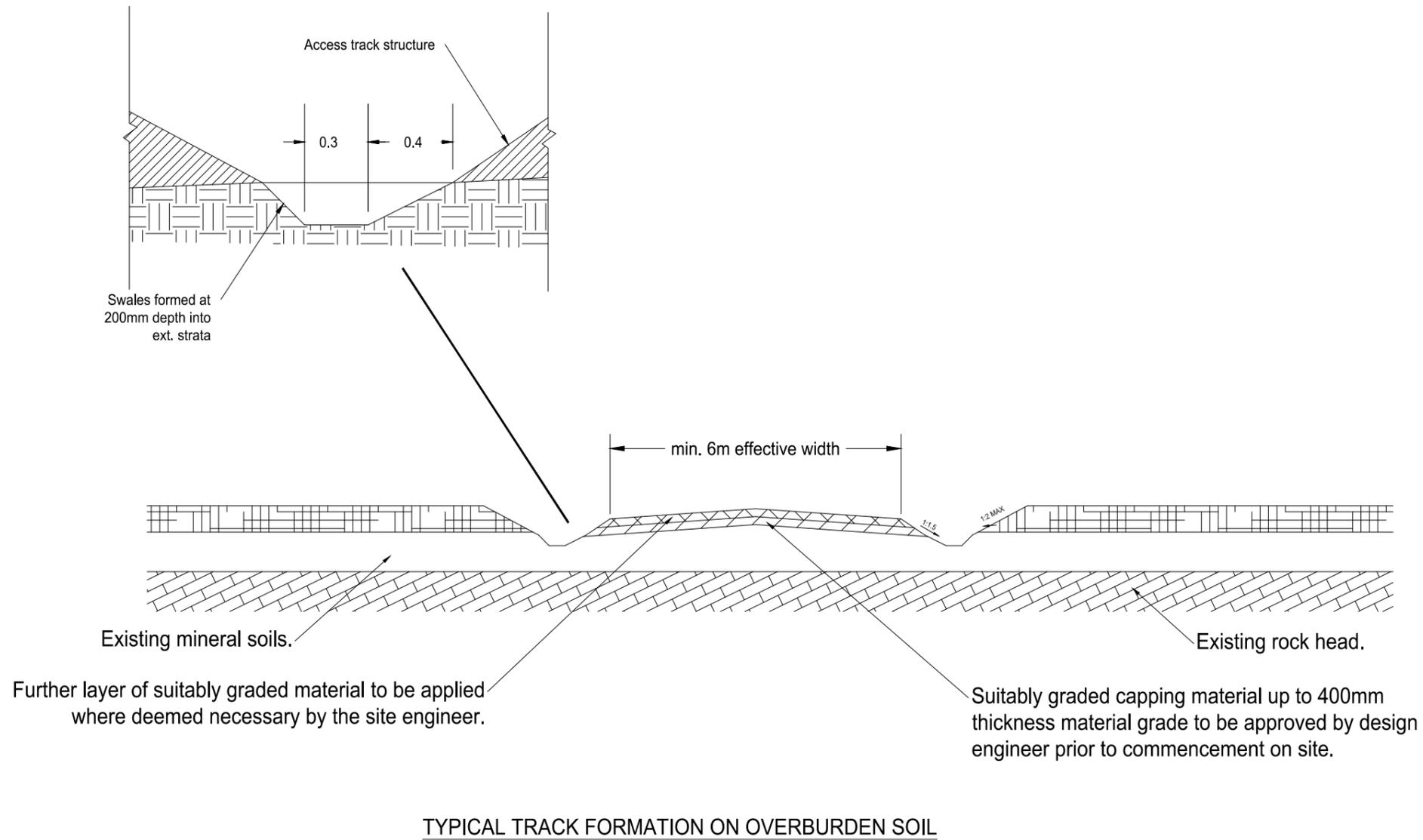
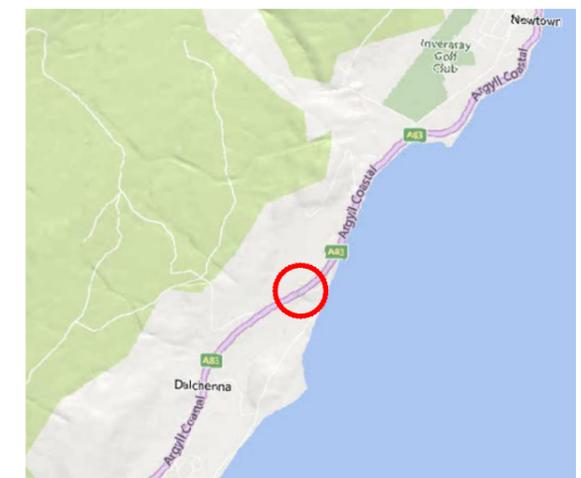


Figure 4.12: Indicative Junction Design on A83

KEY:

 Proposed Junction



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Figure 4.13a: Indicative Junction Design on Upper Ave / A819

KEY:

- Proposed Junction
- 160m x 4.5m Visibility Splay



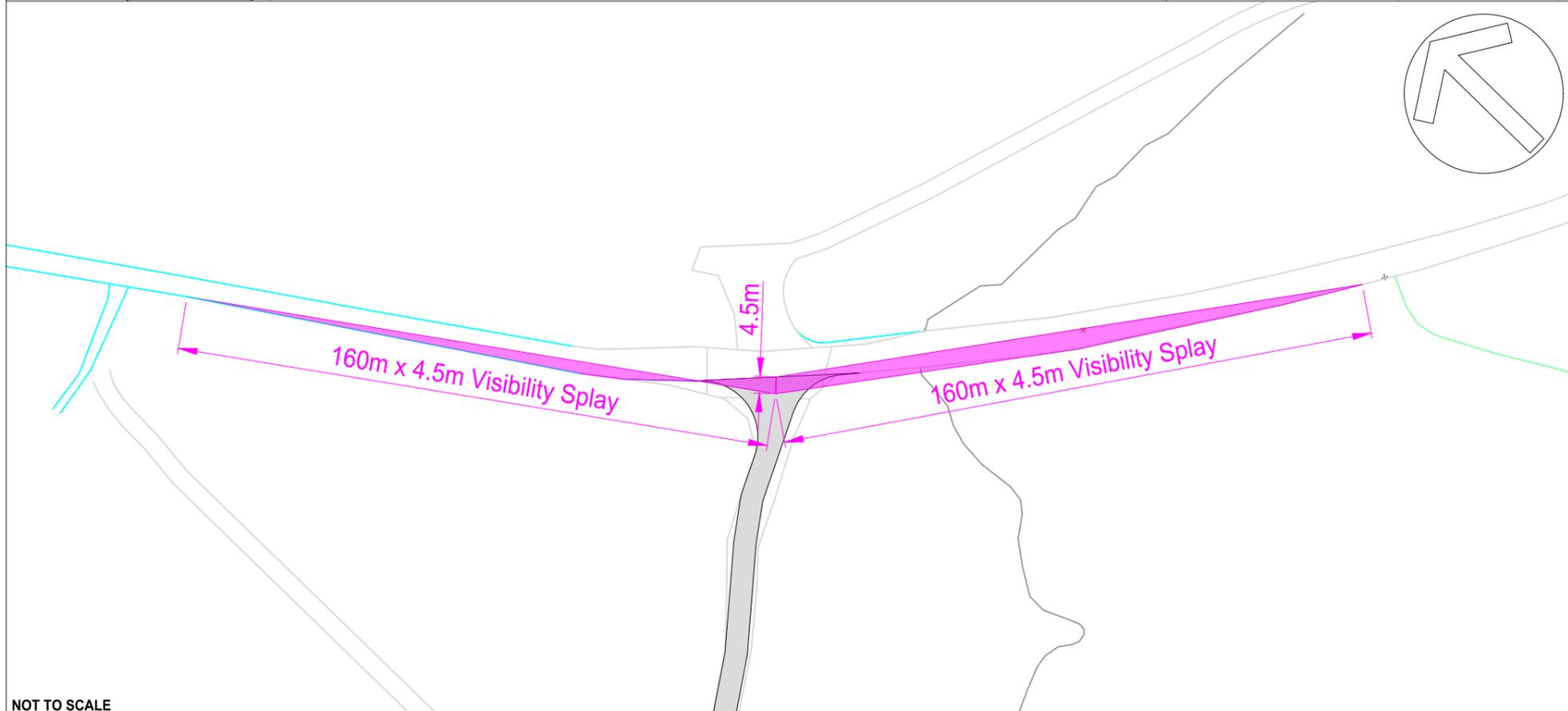
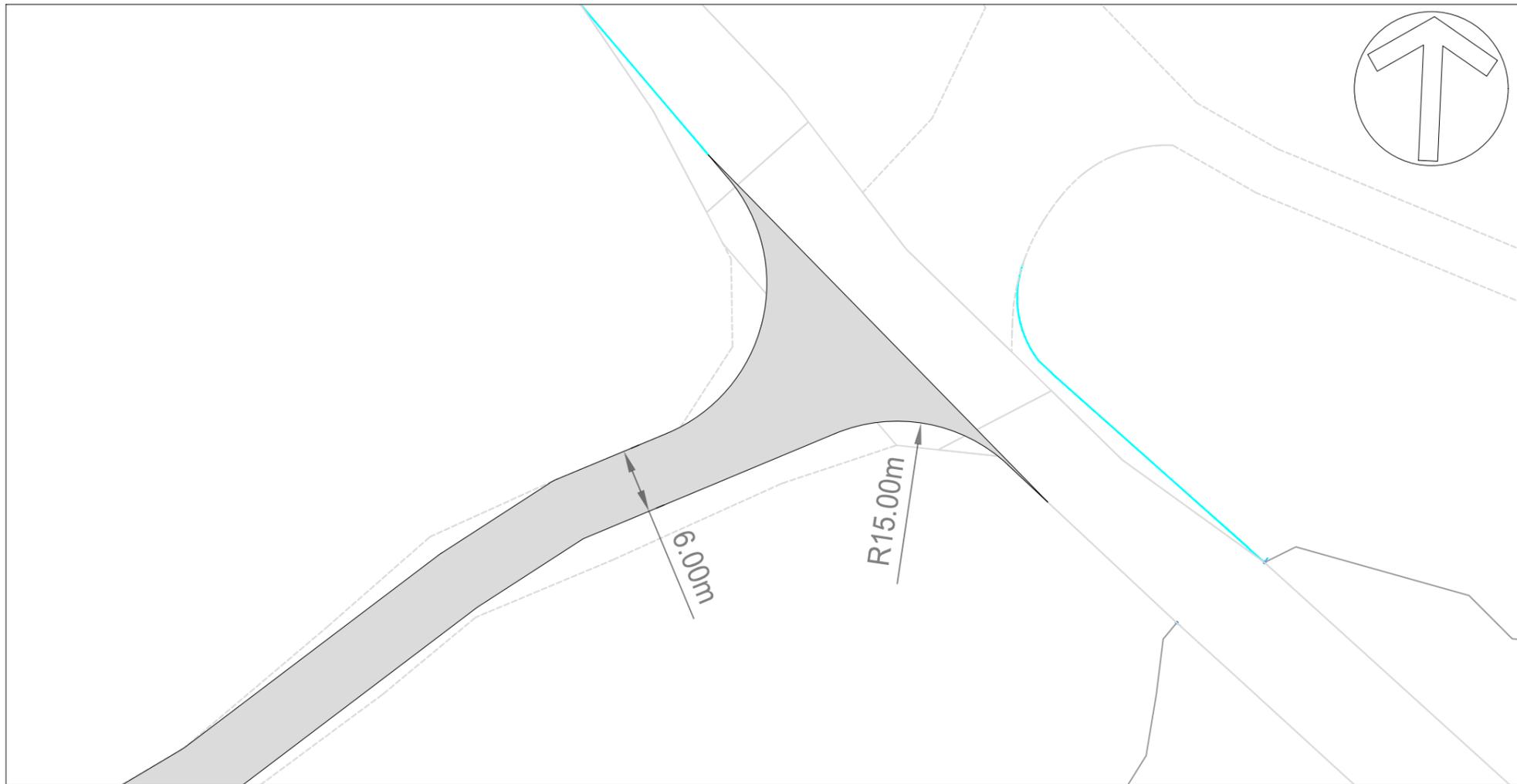
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Figure 13b: Indicative Junction Design on A819

KEY:

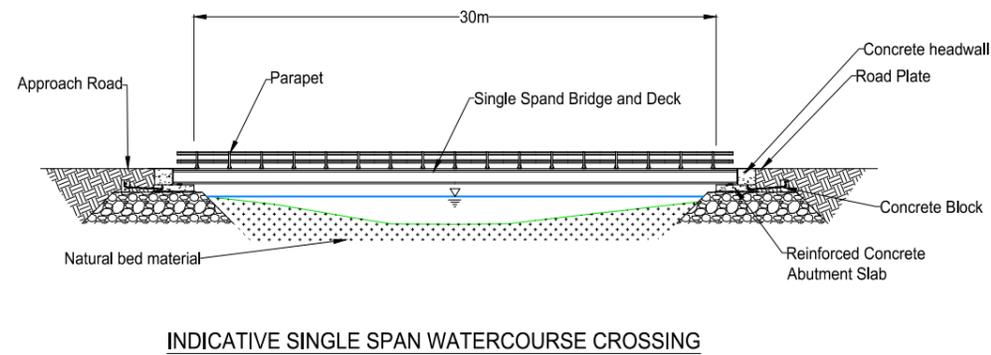
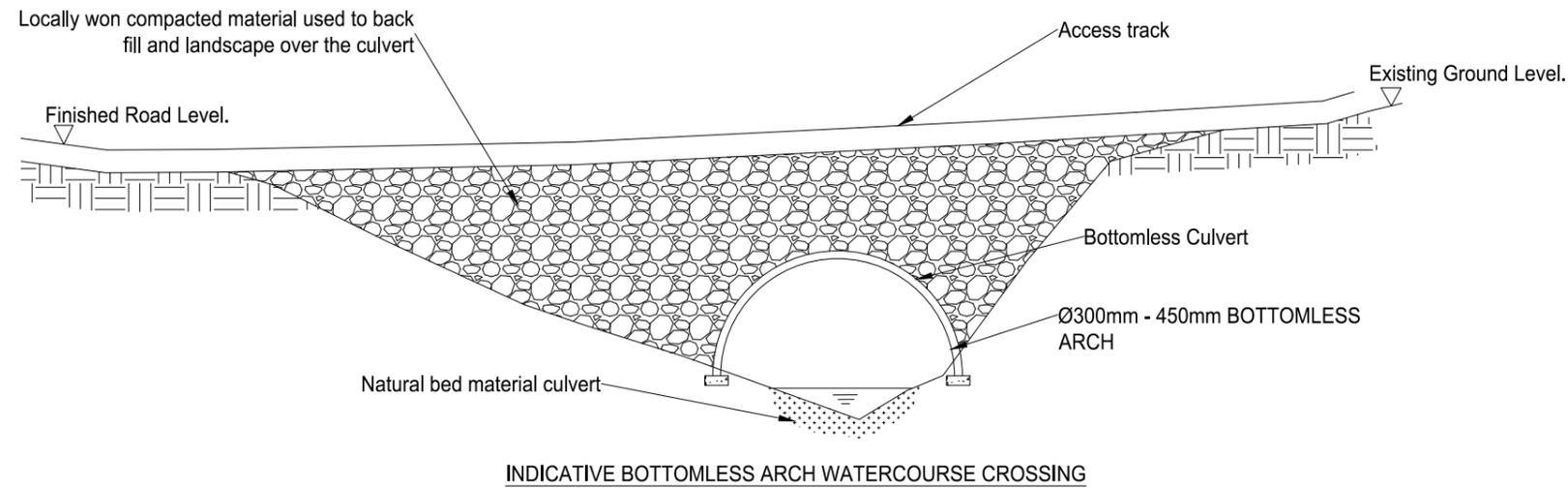
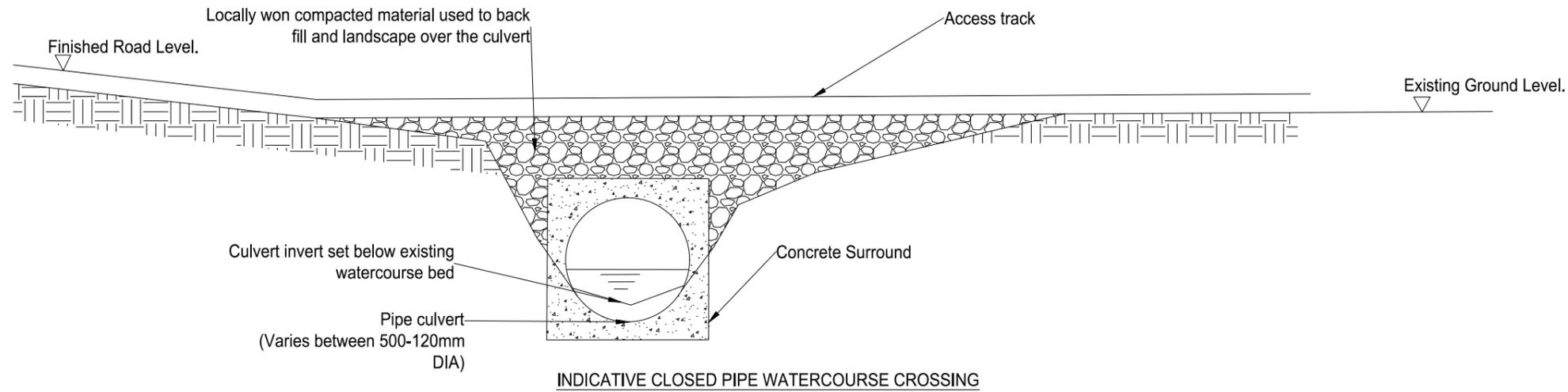
- Proposed Junction
- 160m x 4.5m Visibility Splay



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Figure 4.14: Typical Watercourse Crossing Methods

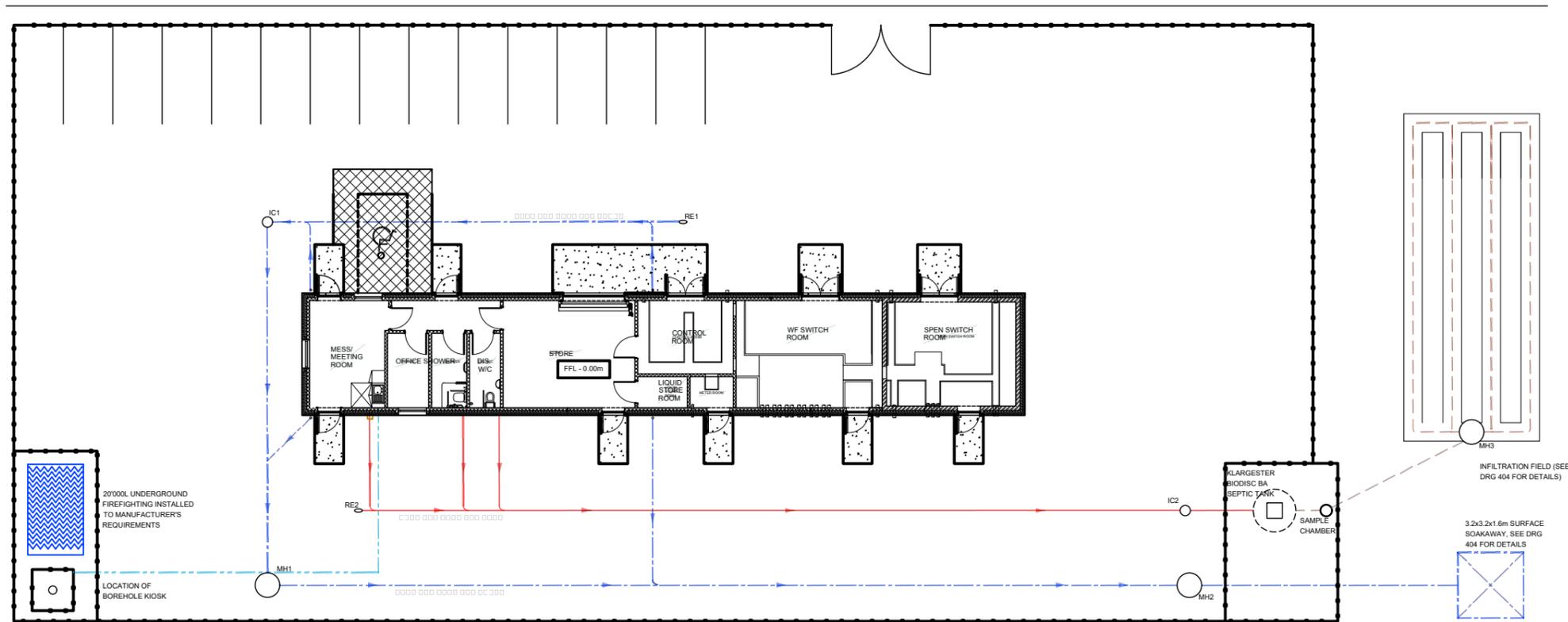


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Figure 4.15: Drainage Design

-  Surface Drainage Pipe (D.N. 150mm UPVC) UNO
-  Foul Drainage Pipe (D.N. 110mm UPVC) UNO
-  Treated Drainage Pipe (D.N. 110mm UPVC) UNO
-  Borehole Water Supply
-  Inspection/Sample Chamber
-  Precast Manhole
-  Rodding Eye
-  Direction of Flow



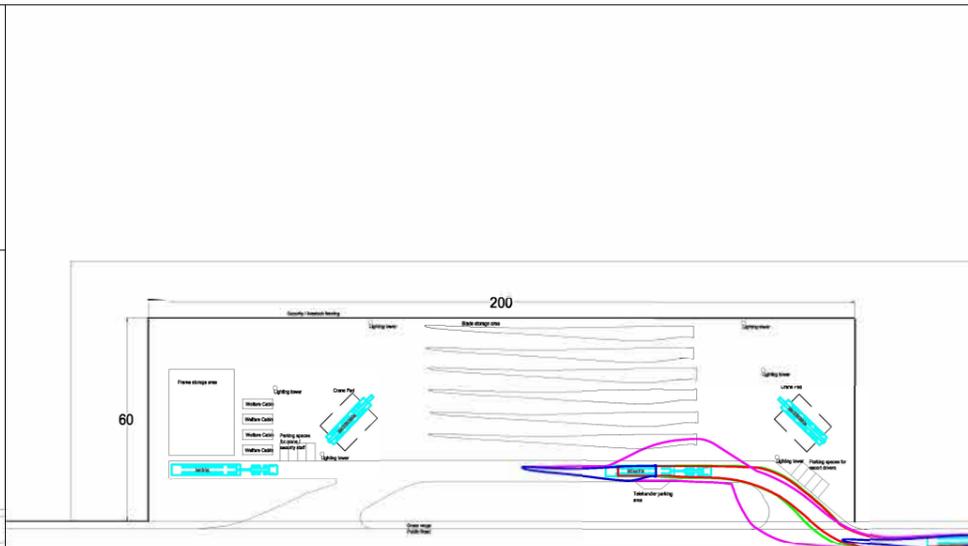
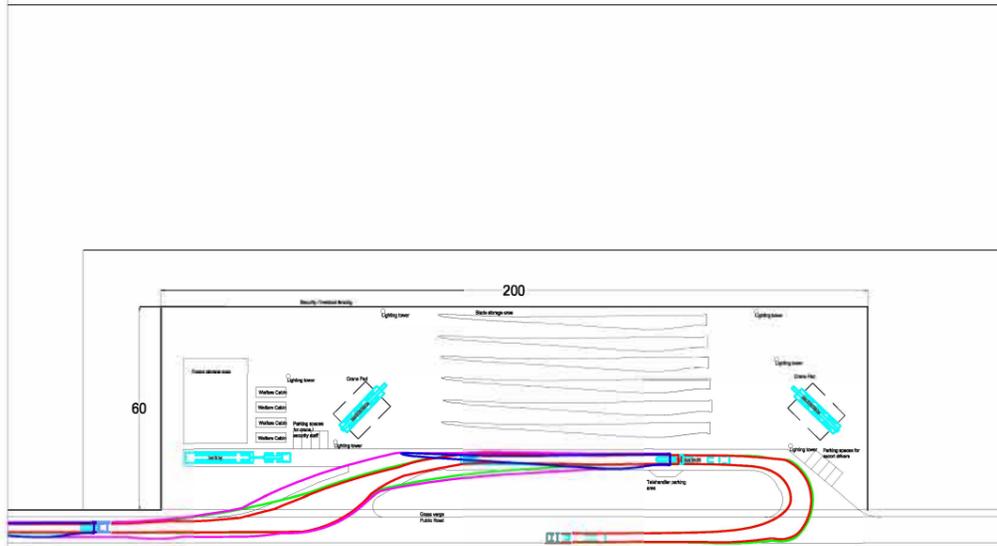
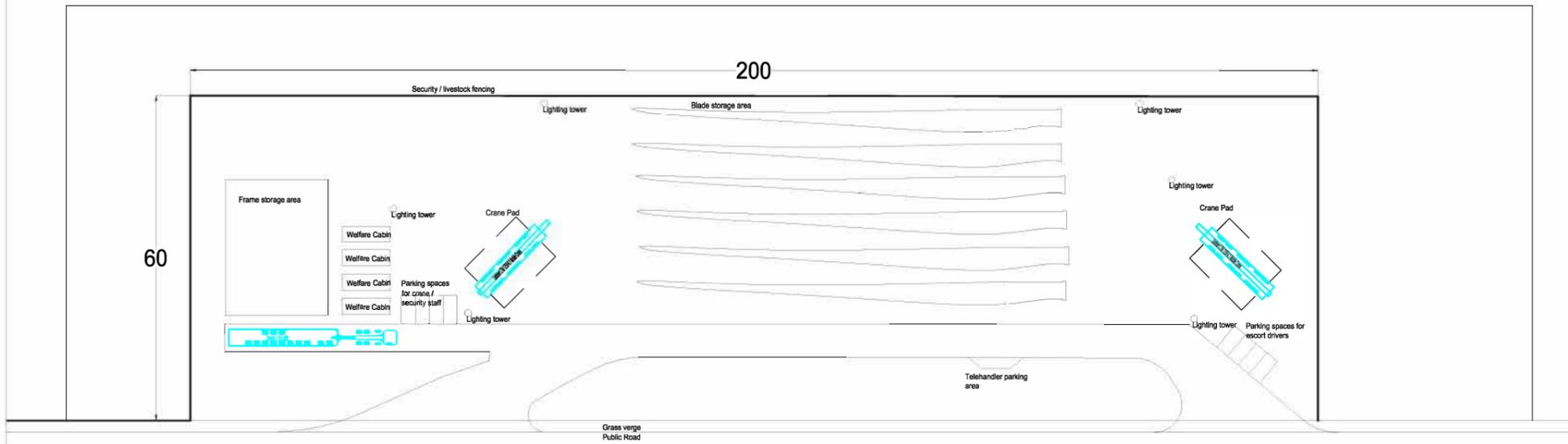
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Layout Assumes Blade Lifter @ 60°



Figure 4.16: Indicative Blade Transfer Area Layout



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Superwing Carrier Delivery with blade in the flat position. Blade was delivered, unloaded and then empty trailer returns to point of origin.

Blade is lifted to the lifting trailer and then departs site with the blade tip elevated to 60 degrees.