Using $d = 3m$

$$FOV_{width} = 2 \cdot d \cdot \tan\left(\frac{FOV_{angle}}{2}\right)$$

$$FOV_{width} = (2) \cdot (3) \cdot \tan\left(\frac{117}{2}\right)$$

$$FOV_{width} = 9.79m$$

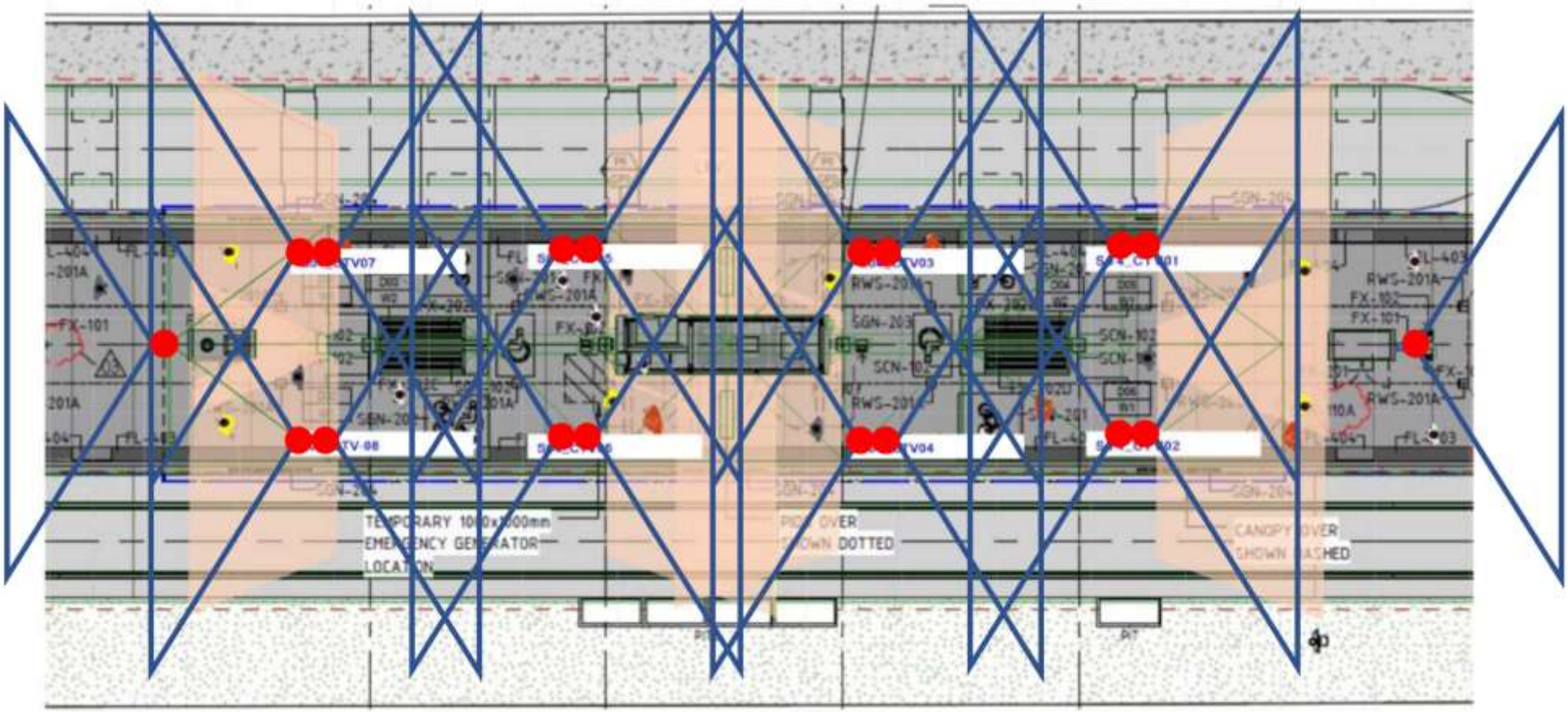

Figure-10: Site Plan with targets set at the identification grade zones (for ppm measuring)