



Construction Phase Health and Safety Design Review Agenda

1.0 Outline site access proposals

- 1.1 Proposed positioning of site egress and access
- 1.2 Outline transport management arrangements (consider access for large plant i.e piling rigs and turning circles)
- 1.3 Proposed position of site boundary, extra pedestrian protection requirements and outline security needs.
- 1.4 Traffic/pedestrian routes around the site boundary

2.0 Outline site set up proposals (including consideration of welfare services connections)

- 2.1 Possible location of temporary site office accommodation
- 2.2 Possible location of temporary welfare (rest and W/C) accommodation
- 2.3 Possible location of unloading layout and storage areas
- 2.4 Location of key services to service the above (Electricity, Water, Drainage, Telecoms, Broadband)
- 2.5 Any emergency access / egress special arrangements required

3.0 Outline consideration of locations of key plant and storage positions (Crane – including accessibly and dismantle)

- 3.1 Possible location of Cranes (consider position, access to build, over sailing issues)
- 3.2 Possible location of Hoists / Good Lifts
- 3.3 Possible location of bulk fuel (oil/ gas) and hazardous material storage (consider regular access routes for deliveries)

4.0 *Outline demolition / enabling sequence*

- 4.1 Principles of structural design (any pre / post stressed elements to consider)
- 4.2 Principles and sequences of demolition
- 4.3 Special considerations for areas in close proximity (hospitals, schools, parks etc)
- 4.4 Overlap with any other enabling works (survey work, site Set-up, hoarding etc)

5.0 *Outline structural / civil and install sequencing*

- 5.1 Principles of structural design
- 5.2 Principles and sequences of assembly
- 5.3 Any temporary works considerations (major or unusual requiring design)
- 5.4 Any awkward / extra heavy structural or architectural elements
- 5.5 Any significant task requiring facilitation of construction methods beyond current standard practice
- 5.6 Any scope for modularisation / pre-assembly, construction automation
- 5.7 Identification of any other 'large' elements requiring construction consideration (i.e chiller plant, internal oversize components, large glazing elements)
- 5.7 Any scope for programme sequencing (i.e early installation of final components i.e staircases, balustrades, dry risers, roofing).

6.0 Environment (optional)

- 6.1 Waste management (location of waste handling areas /waste management plans)
- 6.2 Concrete washdown areas
- 6.3 Wheel wash locations
- 6.4 Bulk flue Storage
- 6.5 Special emergency protocols (i.e. spillage on land /watercourses)
- 6.6 Emissions
- 6.7 Noise nuisance
- 6.8 Light pollution concerns
- 6.9 Traffic volumes / studies
- 6.10 H&S outputs from any Environmental Impact Assessments

7.0 Project Management (optional)

- 7.1 Project programme (sufficient time, realistic lead in / construction periods)
- 7.2 Procurement strategy (Design and Build/ scope for early contractor involvement)
- 7.3 Contractual control (any special H&S clauses)
- 7.4 Change management process
- 7.5 Any further industry safety related specialist required (i.e controlled demolitions, heavy haulage)
- 7.6 Any temporary works design requiring further consideration / specialist appointment
- 7.7 Project CDM-c Administration –
 - a. Pre- Construction (tender information) – Health and Safety Plan Format
 - b. Legal notifications - Asbestos, f10 etc
 - c. Post – Construction Award – Construction Phase Plan Review / Monitoring
 - d. Health and Safety File – Format / review process