

## Site Civil & Filed Sub-bid Coordination



### Jim Falvey, PE – my background:

- Licensed Civil Engineer
- 30+ years design and construction experience
- Public Section Transportation sector – aviation, rail, roads, & site development
- Wide array of planning, design, PM/CM, and construction assignments
- Experience with Design-Bid-Build, Design-Build, and PPP
- Past 5 years – building and running a Boston-based MEP/FP-FA/Special Systems design consultant group
- Chapter 30 and Chapter 149 experience

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### ELECTRICAL – SITE LIGHTING/ELECTRICAL:

- Light base foundations
- Ductbanks & Underground Conduits
- Electrical Manholes/Handholes
- Lighting Control Cabinets/Panels
- Low Voltage Landscape Lighting

### AREAS OF POTENTIAL ISSUES:

- Pre-cast concrete structures – stamped shop drawings
- Cast-in-Place Concrete – reinforcing steel
- Locating & Setting of structure to grade/elevation
- Trench Excavation/Backfill/SOE

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### PLUMBING – SITE ELEMENTS:

- Demarcation - 10' Outside of Building
- Water/Fire Services
- Landscape Irrigation
- Sanitary Sewer
- Roof Drainage
- Natural Gas

### AREAS OF POTENTIAL ISSUES:

- Under Building Dripline/shadow – AHJ?
- Change in Materials
- Trench Excavation/Backfill/SOE
- Pre-Cast & Cast-in-Place MHs & HH
- Locating & Setting Structures to Grade/Elevation

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### DESIGN APPROACH:

- Consider who is best suited to/typically undertakes the required work
- Provide clear physical demarcation between trades – locate structures/valves/etc. to facilitate handoffs
- Separate pay items along trade lines or separate Chpt. 30/149 work
  - Underground conduits/ductbanks – Civil
  - Installation of Cables & Connections – Electrical
- Identify required coordination between trades