|  |  |
| --- | --- |
| DOTLOGO2 |  **Drilled Shaft Excavation** **And Inspection Record** |
|  |
| Structure Number: |       |  | Date Drilling Started: |       |  | Route: |       |  |
| Abutment/Pier No: |       |  | Date Drilling Completed: |       |  | Section: |       |  |
| Shaft No: |       |  | Closest Boring(s): |       |  | County: |       |  |
| Drilling Contractor: |       |  | Inspection By: |       |  | Contract: |       |  |
|  |
| As drilled shaft layout sketch with shafts numbered, north arrow included, and significant deviations from plan locations noted       |  |
|  | **Field Elevations & Diameters** |
|  | Ground surface at Shaft elev. |       |  |
|  | Initial/Max. auger dia. |       |  |
|  | Outer casing tip elev. |       |  |
|  | Outer casing dia. |       |  |
| Elev. | Time | Soil/Rock Description  | Drilling Observations | Inner casing tip elev. |       |  |
|       |       |       |       | Inner casing dia. |       |  |
|       |       |       |       | Below inner casing auger dia. |       |  |
|       |       |       |       | Top of rock elev. |       |  |
|       |       |       |       | Rock socket dia. |       |  |
|       |       |       |       | Rock socket tip elev. |       |  |
|       |       |       |       | **Drilling Fluids** |
|       |       |       |       | Elev. water table encountered |       |  |
|       |       |       |       | Drilling fluid/slurry used?  |
|       |       |       |       | [ ]  Yes [ ]  No  |  |
|       |       |       |       | Excav. elev. when fluid added |       |  |
|       |       |       |       | Top of drilling fluid head elev. |       |  |
|       |       |       |       | Drilling fluid type |
|       |       |       |       | [ ]  water [ ]  mineral [ ]  polymer  |
|       |       |       |       | Test density |       |  |
|       |       |       |       | Test viscosity |       |  |
|       |       |       |       | Test pH |       |  |
|       |       |       |       | Test sand content |       |  |
|       |       |       |       | All Test meet specifications? |
|       |       |       |       | [ ]  Yes [ ]  No |
|       |       |       |       | **Shaft Side & End Bearing** |
|       |       |       |       | Are soils/rock encountered at end of shaft |
|       |       |       |       | consistent with closest boring/core? |
|       |       |       |       | [ ]  Yes [ ]  No  |
|       |       |       |       | Are soils/rock encountered along shaft  |
|       |       |       |       | consistent with borings/core? |
|       |       |       |       | [ ]  Yes [ ]  No |
|       |       |       |       | Has the RE or Geotechnical Engineer  |
|       |       |       |       | inspected the shaft to verify capacity? |
|       |       |       |       | [ ]  Yes [ ]  No |
|       |       |       |       | **Shaft Tolerance & Cleaning** |
|       |       |       |       | Shaft excavation % plumbness |       |  |
|       |       |       |       | Top of shaft excavation  |
|       |       |       |       | center from plan location  |       |  |
|       |       |       |       | Cleaning methods |       |  |
|       |       |       |       | Verification methods |       |  |
|       |       |       |       | Sediment thickness left in  |
|       |       |       |       | place (inches) |       |  |
|       |       |       |       | **Rebar Cage** |
|       |       |       |       | Cage centralizers type |       |  |
|       |       |       |       | Cage centralizers size(s) |       |  |
|       |       |       |       | Cage distorted during lifting? |       |  |
|       |       |       |       | Number of cage lifting points |       |  |
|       |       |       |       | Shaft cleaning checked after placement |
|       |       |       |       | [ ]  Yes [ ]  No |
|       |       |       |       |  |