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| DOTLOGO2 | **Drilled Shaft Concrete**  **Placement Log** |

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| Structure Number |  | | | | | Date Poured | |  | | Route |  | | |
| Abutment/Pier No. |  | | | | | Inspection By | |  | | Section |  | | |
| Shaft Number |  | | | | | Calculated By | |  | | County |  | | |
| Concrete Contractor |  | | | | | Checked By | |  | | Contract |  | | |
| Placement Method (Free fall, Tremie, or Pump) | | | |  | | | Elev. of Water Inside Shaft Excavation at start of pour | | | | | |  |
| Volume of Pump Lines | |  | De-Airing Method (Relief Valve, Tremie Plug, or Tremie Cap) | | | | | | | | |  | |
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| As drilled shaft layout sketch with shafts numbered, north arrow included, and significant deviations from plan locations noted | | | | | | | | | | | | | | | | | | | | | | | | | |
| Truck No. | Truck Arrival  Time | | Pour  Start  Time | | | | | Pour  Complete  Time | | | Delivered  Concrete  Volume | Concrete In Lines Volume | | Concrete in Shaft Volume | | Concrete Surface Elevation | | Plan Dia. Shaft Volume | | Over Pour Percent | | | Pour Notes:  (Tremie Pullout, Cage Movement, Hole Collapse, Slump test, etc.) | | |
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| Total Placement | | | | | | | | | | | Total Volume | | | Total Volume in | | | | Total % Over | | | | | Over Fill Volume to Expel Watery or | | |
| Time: | |  | | | | | | |  | | Delivered: |  |  | Shaft: |  | |  | Pour: |  | | % | | Dirty Concrete From Shaft: |  |  |
|  | | | | | | | | | | |  | | |  | | | |  | | | |  | | | |
|  | | | | | | | | | | | Deviations from Shaft Installation Plan: | | | | | | | | | | | | | | |
| Permanent Casing | | | | | | | | | | |  | | | | | | | | | | | | | | |
| Diameter: | | | |  | | | | | |  |  | | | | | | | | | | | | | | |
| Top Elevation: | | | | |  | | | | |  |  | | | | | | | | | | | | | | |
| Bottom Elevation: | | | | | | |  | | | |  | | | | | | | | | | | | | | |
|  | | | | | | | | | | |  | | | | | | | | | | | | | | |
|  | | | | | | | | | | | Problems, Concerns, or Comments Documenting Overall Shaft Placement : | | | | | | | | | | | | | | |
| Removable forms | | | | | | | | | | |  | | | | | | | | | | | | | | |
| Diameter: | | | |  | | | | | |  |  | | | | | | | | | | | | | | |
| Top Elevation: | | | | | |  | | | |  |  | | | | | | | | | | | | | | |
| Bottom Elevation: | | | | | | |  | | |  |  | | | | | | | | | | | | | | |
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**DRILLED SHAFT CONCRETE CURVE**

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| Structure #: |  | Abutment/Pier #: |  | Shaft #: |  |
|  | | | | | |
| Contract #: |  | Date Poured: |  | Plotted By: |  |
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| Prior to pouring concrete, plot the theoretical concrete surface vs. theoretical concrete volume placed. During concrete placement, plot the actual concrete surface vs. the actual concrete volume placed. | | | | | |

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**MEASURED DEPTH (Feet)**

**CONCRETE VOLUME PLACED (Cubic Yards)**

|  |  |  |  |
| --- | --- | --- | --- |
| Volume Delivered (VD) | VD |  | cubic yards |
| Volume in Lines (VL) | VL |  | cubic yards |
| Volume Wasted (VW) | VW |  | cubic yards |
| Volume Placed (VP) = VD-VL-VW | VP |  | cubic yards |
| Volume Theoretical\* (VT) = ((r²)x(shaft length))÷27 | VT |  | cubic yards |
| Over Pour (OP) = VP-VT | OP |  | cubic yards |

\*Radius and shaft length are measured in feet, and division by 27 converts to cubic yards. A deduction for reinforcement bars, etc. is not required.

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| Comments: |  |