**WYOMING DEPARTMENT OF TRANSPORTATION**

**DRILLED SHAFT EXCAVATION AND INSTALLATION FORM**

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| **Project No. & Name:** |  | | |
| **Submitted by:** |  | **Date:** |  |
| **Contractor:** |  | **Superintendent:** |  |
| **Drilled Shaft Contractor:** |  | **Superintendent:** |  |
| **Driller:** |  |

In preparing the Drilled Shaft Excavation and Installation Form, reference the subsurface geotechnical data provided in the contract. *Please contact the Resident Engineer with any questions.*

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| 1. **EQUIPMENT** | | | | |
|  | **Make** | **Model** | **Depth Capacity (ft.)** | **Maximum drill diameter (ft.)** |
| **Drill Rig:** |  |  |  |  |
|  | **Make** | **Model** | **Height (ft.)** | **Lift Capacity (lbs.)** |
| **Crane (1)** |  |  |  |  |
| **Crane (2)** |  |  |  |  |
|  | **OD** | **ID** | **Length (ft.)** | **Weight (lbs.)** |
| **Casing** |  |  |  |  |

* 1. List the excavation tooling and final cleaning equipment you propose to use; i.e. augers, core bit, etc.:

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1. **EXCAVATION**

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| 2.1. Describe your proposed drilling method: |
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| 2.2 Describe the proposed cleanout method: |
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| 2.3 How will the temporary casing be installed, advanced and extracted? |
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1. **CONCRETE PLACEMENT**

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| **Concrete Supplier:** |  | | | | |
| **Concrete Slump:** |  | | | | |
| **Will the Concrete maintain its slump for the 2-hour placement limit?** | | | | | Yes / No | |
| **Pump Truck:** | Make |  | Model |  | |
| **Tremie:** | Diameter |  | Length |  | |
| **Plug (“pig” or “rabbit”)** | Diameter |  | Material |  | |
| *End dumping of concrete is only permitted for shaft excavations that are dry, less than 25' deep, and where the concrete does not strike the reinforcing steel or the sides of the drilled shaft excavation.* | | | | | | |

* 1. Describe how you propose to keep the shaft reinforcement in the proper location and alignment while removing the casing:

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* 1. Describe your proposal to ensure the top of the shaft possesses quality concrete:

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* 1. If applicable, describe your procedures for protecting existing structures, utilities, roadways, railroad and other facilities during drilled shaft construction:

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1. **GENERAL**
   1. How will the information within this document be shared with personnel in the field, to ensure that the procedures and methods put forth are followed during shaft construction?

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1. **SAFETY PLAN**
   1. Attach a safety plan including how personnel will be protected during drill operations and how the inspector can safely grab samples to confirm material, measure the final depth of the shaft, check the bottom of the shaft for cleanliness, or perform other duties as necessary.

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| Supervisor – Name/Date |  | Driller – Name/Date |