

CIDH Concrete Pile Construction Report (PCR)

All Cast-In-Drilled Hole (CIDH) concrete pile construction activities are recorded by the Engineer and the Contractor under the requirements of a CIDH concrete pile quality management program. The quality management program defines quality control measures and documentation responsibilities of the Contractor and quality assurance measures and documentation responsibilities of the Engineer. The resulting documentation is assembled into a Pile Construction Report (PCR) for each CIDH concrete pile constructed.

PCRs are required for the following conditions:

1. For one CIDH concrete pile at each foundation support location where CIDH concrete piles between 24 inches and 60 inches in diameter are constructed.
2. For all CIDH concrete piles 60 inches in diameter or larger.

Two versions of the PCR are available:

1. Construction of CIDH concrete piles in “dry” conditions (without inspection pipes).
2. Construction of CIDH concrete piles in “wet” conditions (with inspection pipes).

The PCR for CIDH concrete piles constructed in “dry” conditions consists of the following documents that are completed by the Engineer:

1. [Form SC-3802](#), *Drilled Shaft Inspector’s Checklist*
2. [Form SC-3803](#), *Drilled Shaft Excavation Log*
3. [Form SC-3804](#), *Drilled Shaft Excavation Profile*
4. [Form SC-3805](#), *Drilled Shaft Bottom Inspection*
5. Copies of daily reports documenting construction of the CIDH concrete pile.

The PCR for CIDH concrete piles constructed in “wet” conditions consists of the following documents:

Completed by the Contractor:

1. [Form SC-3806](#), *Slurry Test Record*
2. [Form SC-3807](#), *Inspection Pipe and Rebar Coupler Log*
3. [Form SC-3808](#), *Drilled Shaft Concrete Placement Log*
4. [Form SC-3809](#), *Drilled Shaft Concrete Placement Graph*

Completed by the Engineer:

5. [Form SC-3801](#), *GGL Inspection Pipe Verification Form*
6. [Form SC-3802](#), *Drilled Shaft Inspector's Checklist*
7. [Form SC-3803](#), *Drilled Shaft Excavation Log*
8. [Form SC-3804](#), *Drilled Shaft Excavation Profile*
9. [Form SC-3805](#), *Drilled Shaft Bottom Inspection*
10. [Form SC-3806](#), *Slurry Test Record* (performed randomly for QA)
11. Copies of daily reports documenting construction of the CIDH concrete pile.

When completing these forms or reviewing forms completed by the Contractor, keep in mind these are quality assurance documents. Each form should have enough information that the pile construction process can be reconstructed virtually at a later date. Use [Form SC-3802](#), *Drilled Shaft Inspector's Checklist*, and the daily reports as quality assurance documents to verify the information submitted by the Contractor.