

Concrete Placement Checklist

Location _____ (span, pier, station) Structure _____ Contract No. _____

Part of structure being cast _____ (seal, footing, deck, etc.) Inspector _____

Concrete scheduled for _____ (time) (a.m.) (p.m.) Date _____ on _____ (day of week and date)

Weather forecast is _____

1. Foundation:

A. Spread Footing:

- cross-sections recorded prior to excavation
- excavated to plan elevation
- foundation approved by the Project Engineer (if foundation material differs from the testborings, consult Olympia Service Center Construction Office)

B. Pile Supported Footing:

- excavated to plan elevation
- pile order length given to contractor (if required)
- pile driving completed and accepted
- pile cutoff elevations checked
- pile cutoff treated (timber)

2. Falsework:

- constructed per approved F/W drawings
- tattleails set and checked after first placement
- foundations (mudsills or piling) constructed per specifications and falsework drawings

3. Forms:

A. Approved Form Drawings:

- dimensions verified
- elevations checked
- longitudinal and transverse form alignment checked
- studs and walers in accordance with approved drawing
- plumb and/or batter checked
- form material of proper thickness, grade and grain orientation, facing, and in satisfactory condition
- form liner approved
- kickers and braces in accordance with approved drawing
- ties, bolts, nails, etc., in accordance with approved drawing
- forms coated with a release agent
- Concrete Placement Rate: _____ m/hr. at _____ °C

B. Construction Joints:

- location checked
- construction joint properly formed, braced, and aligned
- shear keys fabricated to proper size and correctly placed
- construction joint elevation checked
- existing concrete at the construction joint is cleaned, roughened, and wetted
- open or dummy joints formed and located in accordance to the plans
- premolded joint filler secured

4. Reinforcing Steel:

- cut sheets reviewed
- mill certificates received
- bar sizes, number, and spacing checked
- bottom and top concrete cover and side clearances checked
- bar ties and supports in accordance with contract
- splice locations and lengths checked (welded or mechanical splice approved)
- alignment and length of bars extending into future work checked

5. Post-Tensioning:

- approved shop drawing received
- trumpet, distribution plate, and reinforcement correctly located and secured
- duct sizes, material, and wall thickness checked
- ducts installed per approved profile and alignment
- ducts securely tied
- ducts free of holes and dents
- duct joints sealed
- ducts clear and unobstructed
- inlets, outlets, vents, and drains properly installed
- contractor prepared to clear all ducts immediately after concrete placement

6. Method of Concrete Placement:

- pump
- pump backup system available
- bucket
- chute
- tremie
- other list: _____

7. Concrete:

- Concrete Class _____
- 28 day strength _____ MPa
- specified slump _____ mm (max.)
- specified air entrainment _____ %
- fly ash
- air-entraining admixture, Brand _____
- water-reducing admixture, Brand _____
- retardant admixture, Brand _____

Estimated Concrete Quantity: _____ cubic meters

Inspector: _____

Date: _____

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