Arizona Department of Transportation
DAILY OBSERVATION REPORT

Non-Reinforced Cast-in-Place Concrete Pipe Construction

Project: _____

Date: _____

A. Trenching

1. Pipe Diameter (ID): _____ Wall Thickness: _____ Pipe OD: _____
2. Location: _____
   _____
3. Laser controlled? Yes _____ No _____
4. Soil Type?
   a) Soil Subgrade: Stable _____, Soft _____, or Rocky _____
   b) Ground Water Yes _____ No _____
   c) General observations/special requirements, i.e. dewatering/stablizing
   _____
   _____
   _____
   _____
5. Trench width - required _____ measured _____
6. Pipe Grade - _____

B. Pipe Equipment

1. Pipe casting machine measurements checked? Yes _____ No _____
2. Tamper/consolidation ring operable? Yes _____ No _____
3. Observation of overall conditions of machine _____
4. Condition of forms and arch spreaders? _____
5. Condition of trench anchor? _____

C. Pipe Construction

1. Location (Roadway ID & Stationing) _____
   _____
2. Laser Controlled - Yes _____ No _____

3. Concrete mix design approval - Yes _____ No _____

4. Concrete load tags checks - Yes _____ No _____

   Comments _____

5. Transit trucks check for proper mixing - Yes _____ No _____

6. Slump testing comments _____

7. Cylinder sample comments _____

8. Pipe crown and invert probes

Station	Required Thickness	Measured Thickness Crown	Measured Thickness Invert	Straightedge Measurements

9. Curing method _____

10. Was the curing method checked afterwards to ensure adequacy? 24 hrs _____ 48 hrs _____

D. Constructed Pipe - First observation after forms removed

1. Location _____

2. Form: lap _____ allowable _____ measured _____

3. Rock pockets and construction joints _____

4. Grade _____

5. Finished to proceed? Yes _____ No (pipe rejected) _____

6. Comments/repairs/overall quality of pipe _____

E. Constructed Pipe After Backfill

1. Location: _____

2. Circumferential cracking _____

3. Longitudinal cracking _____

4. Form lap finishing _____

5. Concrete cylinder break results _____

6. Cores required Yes _____ No _____

7. Core test data

Station	Location	Results

8. Joint Sealing: Elastomeric compound approved _____

Manufacturer's instructions on-hand _____

Manufacturer's instructions followed _____

9. Pipe accepted Yes _____ No _____

Comments _____

QC ADMINISTRATOR: _____

ADOT REPRESENTATIVE: _____