

**CONTRACTORS QUALITY CONTROL REPORT (QCR)
DAILY LOG OF CONSTRUCTION**

REPORT NUMBER
392 Page 1 of 2

DATE
21 Dec 2012 - Friday

PROJECT
Spillway S-999, Kissimmee River

CONTRACT NUMBER
W912EP-11-B-500 NA

CONTRACTOR
Acme Construction Company

WEATHER
Weather Caused No Delay
Temperature Min 45 °F, Max 70 °F; No Precipitation; 5 MPH Wind

QC NARRATIVES

Activities in Progress:

EARTHWORK - Fill placed for embankment STA 7+00 to 9+00, EL -10 to -8 ft. Approx 1100 CY placed today.
CONCRETE - Concrete wall footer for culvert outlet was placed at STA 11+00. Approx 20 CY placed.

General Comments:

EARTHWORK FOLLOW-UP INSPECTION:

- Inspected fill placed late yesterday. Rocks larger than 3" seen in fill between STA 6+75 and 7+00. Fill to be removed and replaced. It appears this fill was taken from edge of borrow area. No longer taking fill from this area.
- Witnessed roller performing compacting made 5 passes (as req'd) over material at STA 8+00.
- Inspected fill being placed at STA 8+50 -
No rocks larger than 3" seen in fill.
Appearance of fill is unchanged from yesterday, proctor from yesterday being used.
Verified lift being placed at 12" at this station.
Witnessed disking of layer being done after placing lift. No water needed to be added per moisture test.
- Witnessed compacted material being scarified by tractor at STA 7+25 for next lift.
- Met with testing lab technician on site. Density test failed moisture at STA 8+50, EL -9.0. Soil was disked to remove excess moisture, recompacted, retested and found to pass.

CONCRETE FOLLOW-UP INSPECTION:

- Forms and rebar were checked just prior to placement. Forms were secure, level, and plumb.
- Rebar was free of rust, supported on 4" chairs (as req'd), and tied at all intersecting bars.
- Verified bottom mat bars as grade as 60, size as #5, and spacing of 12" c.c. each way
- Clearance from sides of forms for all rebar was 3" (as req'd).
- Witnessed placement of concrete into forms. Concrete dropped 2' into forms, okay.
- Verified vibrators not being used to move concrete laterally.
- Verified vertical insertion of vibrators every 18" insuring overlap of vibration radius.
- Met with concrete testing lab technician on site. No problems reported.
- Witnessed screeding and floating. Verified curing compound applied immediately after finishing and disappearance of free water.
- Verified two coats of curing compound provided, one perpendicular to the other.

SAFETY:

Verified culvert construction site clear of trip hazards. All workers seen wearing PPE.

PREP/INITIAL DATES (Preparatory and initial dates held and advance notice)

A preparatory inspection was held today for the following feature:

Sodding

No initial inspections were held today

ACTIVITY START/FINISH

No activities were started or finished today

QC REQUIREMENTS

The following 7 QC requirements were completed today:

Requirement No	Type	Description	Results
CT-00014	QC Testing	Density test STA 7+50, 5' w of C/L, EL -9.0	Completed
CT-00015	QC Testing	Density test STA 8+50, 20 east of C/L, EL -9.0 Moisture content 16%, too high. Max allowed is 10%.	Failed
CT-00016	QC Testing	Retest of CT-00015 Density test STA 8+50, 20 east of C/L, EL -9.0	Completed
CT-00017	QC Testing	Density test STA 7+25, 15' east of C/L, EL -10.0	Completed
CT-00018	QC Testing	Slump, Temp, Air Test for concrete for salb of outlet culvert. Truck #201 Results: Slump 3", Temp 85 degrees, Air 3%	Completed

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CT-00019	QC Testing	Concrete Cylinder Breaks, Slab of outlet culvert	Awaiting Results
CT-00020	QC Testing	Slump, Temp, Air Test for concrete for slab of outlet culvert. Truck #202 Results: Slump 3", Temp 85 degrees, Air 3%	Completed

QA/QC DEFICIENCY (Describe QC Deficiency items issued, Report QC and QA Deficiency items corrected)

The following QC Deficiency item was issued today:

Item No	Location	Description
QC-00003	STA 6+75	Rocks larger than 3" seen in fill between STA 6+75 and STA 7+00. Fill in this area to be removed and replaced.

No Deficiency items were corrected today

CONTRACTORS ON SITE (Report first and/or last day contractors were on site)

No contractors had their first or last day on site today

LABOR HOURS

The following labor hours were Reported today:

Employer	Labor Classification	Number of Employees	Hours Worked
Contractor ID: PRIM	BULLDOZER OPERATOR	1.0	8.0
Contractor ID: PRIM	CEMENT FINISHER	1.0	8.0
Contractor ID: PRIM	DIVER	1.0	8.0
Contractor ID: PRIM	EXCAVATOR OPERATOR	1.0	8.0
Contractor ID: PRIM	FOREMAN	2.0	16.0
Contractor ID: PRIM	FRONT END LOADER OPERATOR	1.0	8.0
Contractor ID: PRIM	LABORER	9.0	72.0
Contractor ID: PRIM	QC SYSTEM MANAGER	1.0	8.0
Contractor ID: PRIM	ROLLER OPERATOR	1.0	8.0
Contractor ID: PRIM	TRACTOR DRIVER	1.0	8.0
Total hours worked to date: 384.0		Total	19.0
			152.0

EQUIPMENT HOURS

The following equipment hours were Reported today:

Serial Number	Description	Idle Hours	Operating Hours
452454	Dump Truck	0.00	8.00
4545	Bulldozer	0.00	8.00
55452345	Roller	0.00	8.00
654651651	Excavator	0.00	8.00
75752727	Tractor	0.00	8.00
757857	Loader	0.00	8.00
Total operating hours to date: 96.00		Total	0.00
			48.00

ACCIDENT REPORTING (Describe accidents)

No accidents reported today

CONTRACTOR CERTIFICATION On behalf of the contractor, I certify that this Report is complete and correct and all equipment and material used and work performed during this Reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

QC REPRESENTATIVE'S SIGNATURE

DATE

SUPERINTENDENT'S INITIALS

DATE

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)
DAILY LOG OF CONSTRUCTION - MILITARY**
(ER 1180-1-6)

REPORT NUMBER
392 Page 1 of 1

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CONTRACT NUMBER
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CONTRACTOR
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QA NARRATIVE(S)

Comments Pertaining to Contractors' CQC Activities:
WILLIAM HAMEL

EARTHWORK - QC Manager reported failed compaction test at STA 8+50. Soil was too moist and was being reworked at time of visit. Proper QC actions including reworking, recompacting, and retesting were being taken.

Met with QA test technician from ACE Lab, who was instructed to take density/moisture test at recompacted area. Further, told technician to take additional density/moisture tests at stations plus and minus about 50 feet from area of failed test.

CONCRETE - Witnessed QC doing check on rebar and forms for culvert footer at STA 11+00. I followed and double checked clearances and spacing, okay. Watched placement. Vibration was proper. QC tests were being performed. I witnessed slump, air, and temp tests for truck #201. Okay.
Instructed ACE Lab technician to take concrete cylinders for possible future breaks.

PREPARATORY MEETING for SODDING - I attended this meeting. Submittals were in order. AHA's, and specs were covered including staggering of sod and rolling requirements. See minutes.

Disagreements with Quality Control Report:

WILLIAM HAMEL QCR notes rocks larger than 3" in fill making it unsuitable which was verified. However, unsuitable fill was taken just outside of borrow area limits, not "at edge" as indicated in QCR.

Safety

WILLIAM HAMEL Concrete laborers were all wearing proper PPE including safety glasses.

QA TESTING (Include test description, and results)

The following QA tests were performed today:

QA Test #	Description	Results
AT-00002	Density test STA 8+50, EL -9.0 Density 97%, Moisture 9%, Proctor Reference #0004	Passed
AT-00003	Density test, STA 8+00, EL -9.0 Density 96%, Moisture 4%, Proctor reference #0004	Passed
AT-00004	Density test, STA 8+90, EL -9.0 Density 99%, Moisture 7%, Proctor reference #0004	Passed
AT-00005	Cylinder Breaks, STA 11+00, Outlet culvert footer.	Awaiting Results

INSPECTOR'S SIGNATURE

DATE

SUPERVISOR'S INITIALS

DATE