



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
SECRETARY

December 1, 2009

Monica Gourdine
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 104
Proposed Specification: **1040606 Prevention, Control, and Abatement of Erosion and Water Pollution – Construction Requirements**

Dear Ms. Gourdine:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

These changes were proposed by Larry Ritchie of the State Construction Office to require the Contractor to submit three signed and sealed copies of as-built drawings and a certified survey of as-built conditions for all installed and constructed surface water management systems.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to ST986RP or rudy.powell@dot.state.fl.us.

If you have any questions relating to this specification change, please call Rudy Powell, State Specifications Engineer at 414-4280.

Sincerely,

Rudy Powell, Jr., P.E.
State Specifications Engineer

RP/dt

Attachment

cc: Gregory Jones, Chief Civil Litigation
Florida Transportation Builders' Assoc.
State Construction Engineer

PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION – CONSTRUCTION REQUIREMENTS. ~~SIGNED AND SEALED AS-BUILT DRAWINGS.~~

(REV ~~116-24~~15 09)

ARTICLE 104-6 (of the Supplemental Specifications) is expanded by the following:

104-6.6 Signed and Sealed As-Built Drawings: *Prior to final acceptance of the project, submit to the Engineer ~~three~~two copies of as-built drawings and a certified survey verifying the as-built conditions for all installed and constructed surface water management systems. ~~prepared according to the permitting agency's requirements.~~ The as-built drawings and certified survey must satisfy all the requirements and special conditions listed in the Water Management District's Environmental Resource Permit (ERP) and any applicable local permit. The as-built drawings and certified survey must be signed and sealed by an appropriately licensed professional registered in the State of Florida. ~~for the surface water management system must be signed and sealed by an engineer registered in the State of Florida.~~ Final payment is contingent upon Department acceptance of the as-built drawings and certified survey. ~~by the permitting agency.~~*

If the ERP does not contain specific requirements, provide as-built drawings with the following information as a minimum:

- 1. Discharge structures: structure identification number, type, locations (latitude and longitude), dimensions and elevations of all, including weirs, bleeders, orifices, gates, pumps, pipes, and oil and grease skimmers.*
- 2. Side bank and underdrain filters, or exfiltration trenches: locations, dimensions and elevations of all, including clean-outs, pipes, connections to control structures and points of discharge to receiving waters.*
- 3. Storage areas for treatment and attenuation: storage area identification number, dimensions, elevations, contours or cross-sections of all, sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems.*
- 4. System grading: dimensions, elevations, contours, final grades or cross-sections to determine contributing drainage areas, flow directions and conveyance of runoff to the system discharge points.*
- 5. Conveyance: dimensions, elevations, contours, final grades or cross-sections of systems utilized to divert off-site runoff around or through the new system.*
- 6. Water levels: existing water elevations and the date determined.*
- 7. Benchmarks: location and description (minimum of one per major water control structure).*

PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION – CONSTRUCTION REQUIREMENTS.

(REV 11-24 09)

ARTICLE 104-6 (of the Supplemental Specifications) is expanded by the following:

104-6.6 Signed and Sealed As-Built Drawings: Prior to final acceptance of the project, submit to the Engineer three copies of as-built drawings and a certified survey verifying the as-built conditions for all installed and constructed surface water management systems. The as-built drawings and certified survey must satisfy all the requirements and special conditions listed in the Water Management District's Environmental Resource Permit (ERP) and any applicable local permit. The as-built drawings and certified survey must be signed and sealed by an appropriately licensed professional registered in the State of Florida. Final payment is contingent upon Department acceptance of the as-built drawings and certified survey.

If the ERP does not contain specific requirements, provide as-built drawings with the following information as a minimum:

1. Discharge structures: structure identification number, type, locations (latitude and longitude), dimensions and elevations of all, including weirs, bleeders, orifices, gates, pumps, pipes, and oil and grease skimmers.
2. Side bank and underdrain filters, or exfiltration trenches: locations, dimensions and elevations of all, including clean-outs, pipes, connections to control structures and points of discharge to receiving waters.
3. Storage areas for treatment and attenuation: storage area identification number, dimensions, elevations, contours or cross-sections of all, sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems.
4. System grading: dimensions, elevations, contours, final grades or cross-sections to determine contributing drainage areas, flow directions and conveyance of runoff to the system discharge points.
5. Conveyance: dimensions, elevations, contours, final grades or cross-sections of systems utilized to divert off-site runoff around or through the new system.
6. Water levels: existing water elevations and the date determined.
7. Benchmarks: location and description (minimum of one per major water control structure).