320 Stormwater Pollution Prevention Plan (SWPPP)

Modification for Non-Conventional Projects:
Delete FDM 320 and see RFP for requirements.

320.1 General

The Stormwater Pollution Prevention Plan (SWPPP) sheets document the designer's site evaluation and selection of control measures and other items to comply with the terms and conditions of the State of Florida Department of Environmental Protection (DEP) Generic Permit for Stormwater Discharges from Large and Small Construction Activities (DEP Generic Permit) discussed in FDM 251.

For an example of SWPPP sheets on a major reconstruction project, see Exhibit 320-1. Additional guidance for developing a SWPPP may be found in the DEP SWPPP template, found on the DEP web page at:

http://www.dep.state.fl.us/water/stormwater/npdes/swppp.htm

320.2 Narrative Description

The SWPPP sheets include a narrative that refers to other documents such as the Standard Specifications or the Standard Plans as necessary. Use the following outline to prepare the narrative:

(1) Site Description
   (a) A Description of the Construction Activity
   (b) Sequence of Major Soil Disturbing Activities
   (c) Area Estimates (The total project area and the area expected to be disturbed.)
   (d) Runoff Data consisting of:
      i. Rational runoff coefficient before, during, and after construction,
      ii. The size of the drainage area for each outfall,
      iii. The location of each outfall, in terms of latitude and longitude (to the nearest 15 seconds),
      iv. Existing data describing the soil or the quality of discharge from the site
(e) Site Map (Include a narrative as described in FDM 320.3)

(f) Receiving Waters (The name of the receiving waters for each outfall and the wetland area on the site.)

(2) Controls

(a) Erosion and Sediment Controls
   i. Stabilization Practices
   ii. Structural Practices

(b) Stormwater Management

(c) Other Controls
   i. Waste Disposal
   ii. Off-Site Vehicle Tracking & Generation of Dust
   iii. State or Local Regulations
   iv. Application of Fertilizers and Pesticides
   v. Toxic Substances

(d) State and Local Plans

(3) Maintenance

(4) Inspection

(5) Non-Stormwater Discharges

The sheets may also include supplemental design details and plan views of the location of the controls. Additional information for preparing the SWPPP sheets can be found in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual.

320.3 Site Map

Show the following information on a site map:

(1) Drainage patterns

(2) Approximate slopes

(3) Areas of soil disturbance

(4) Areas that are not to be disturbed

(5) Locations of controls identified in the plan

(6) Areas that are to be stabilized against erosion

(7) Surface waters (including wetlands)

(8) Locations where stormwater is discharged to a surface water
The above information is typically shown on other sheets within a set of construction plans. Prepare a narrative description of the site map which identifies the construction plan sheets where the site map information required by the DEP Generic Permit can be found.

The locations of the temporary controls may be shown on SWPPP sheets, Erosion Control sheets, Plan-Profile sheets, or Temporary Traffic Control (TTC) Plan sheets. For projects where plan view sheets are not available, summarize the locations of the controls in a tabular format.

If an optional Drainage Map is included in the construction plans, then the drainage patterns will be shown on it. If the Drainage Map is not included, prepare a topographic map (for example, a USGS quadrangle map) showing contour lines. This map will supplement the construction plan sheets that show the other site map requirements. The supplemental site map may use photography (aerial or other). Include this supplemental map in the SWPPP sheets.

**320.4 Controls**

The SWPPP must include a description of the controls that will be implemented at the construction site. For each of the major activities identified in Part 1.b of the Narrative, describe the timing of the implementation of control measures during the construction process. Also describe the stormwater management measures that will be installed during construction to control pollutants in the stormwater discharges that will occur after construction.

Details should be prepared for all controls that are not detailed in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual. The details should show the work intended, where and how the control is to be placed, and any other special design details. Any Technical Special Provisions required by the erosion control items of work should be prepared for the specification package.

The narrative for some of the other controls will be supplied by the contractor at the preconstruction conference. A plan for off-site vehicle tracking is an exception and must be included in the SWPPP prepared during design.

Any Water Management District or Local Water Management District permits obtained in connection with the project should be noted.
320.5  Maintenance, Inspection and Non-Stormwater Discharges

Include a description of any maintenance requirements that are not stated in the standard specifications. Include the inspection requirements, which will be either requirements of the DEP or the applicable requirements of another regulatory agency, whichever is more stringent. If special procedures have been developed to minimize turbidity associated with normal construction dewatering, include a description of those procedures.

Special monitoring requirements described in the DEP Generic Permit may apply where the project discharges to waters listed in Section 303(d) of the Clean Water Act. Consult with the district environmental permitting staff to determine if the monitoring requirements apply. If applicable, describe the special monitoring requirements in the inspection section of the narrative.

1.0 SITE DESCRIPTION:

1.1. NATURE OF CONSTRUCTION ACTIVITY: THE PROJECT IS THE RECONSTRUCTION OF SR 007 (JAMES BOND BOULEVARD) TO A MAJOR URBAN ROADWAY. THIS INVOLVES CONSTRUCTING A ROADWAY SURFACE, CURB AND GUTTER, SIDEWALK, UNDERGROUND STORM DRAIN SYSTEMS, AND STORMWATER MANAGEMENT FACILITIES. THE PROJECT EXTENDS FROM NORTH OF PAUL RUSSELL ROAD TO PERKINS STREET, A DISTANCE OF APPROXIMATELY 11 MILES.

1.2. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

1.2.1. IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. SHOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW. UNLESS A SEQUENCE IS PROPOSED THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

2.0 CLEARING AND GRUBBING, EARTHWORK, AND STORM DRAIN CONSTRUCTION:

2.1. CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

3.0 STORM DRAIN AND ROADWAY UNDERDRAIN CONSTRUCTION:

3.1. CLEARING AND GRUBBING, EARTHWORK, AND STORM DRAIN CONSTRUCTION FOR THE OUTFALL FROM THE PONDS. REMOVE CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

4.0 CONSTRUCTION OF ROADWAY, GRAVITY SYSTEMS, AND STORMDRAIN MANAGEMENT FACILITIES:


5.0 DRAINAGE PATTERNS:

5.1. DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS SHOWN IN THE DRAINAGE MAPS. THE ARROWS ARE SHOWN ON THE DRAINAGE MAPS. THE BACK OF SIDEWALK PROFILE SHEETS SHOW OVERLAND FLOW DIRECTION AT THE RIGHT OF WAY LINE. THE ARROWS POINTING TO THE PROFILE INDICATE DRAINAGE DIRECTION AT THE LEFT

6.0 RECEIVING WATERS:

6.1. THE ONLY SURFACE WATER WITHIN THE SITE IS THE EAST DITCH. WHICH FLOWS THROUGH THE CULVERT AT STATION 531+00. THIS LOCATES THE PLAN-PROFILE SHEETS AND THE BOX CULVERT CONSTRUCTION DETAIL SHEET. LOCATION: LATITUDE 30° 24' 45"N, LONGITUDE 84° 16' 45"W.

7.0 AREAS OF SOIL DISTURBANCE:

7.1. THE AREAS TO BE DISTURBED ARE SHOWN ON THE TYPICAL SECTION SHEETS, THE CROSS SECTION SHEETS, AND THE PLAN-PROFILE SHEETS. THERE ARE POND DETAIL SHEETS. CROSS SECTION SHEETS LOCATED WITH THE POND DETAIL SHEETS.

8.0 AREAS NOT TO BE DISTURBED:

8.1. ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED.


* AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE SHOWN ON THE CROSS SECTION SHEETS, THE POND DETAIL SHEETS. AREAS NOT TO BE DISTURBED. ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED DURING CONSTRUCTION.

* LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE EROSION CONTROL SHEETS EXCEPT FOR THE CONTROLS ASSOCIATED WITH THE BOX CULVERT REPLACEMENT WHICH ARE SHOWN ON THE BOX CULVERT CONSTRUCTION DETAIL SHEET. TABLES PROVIDING SUMMARIES OF TEMPORARY EROSION CONTROL AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE ESTIMATED QUANTITIES REPORT.

* LOCATIONS OF PERMANENT CONTROLS: THE STORMWATER PONDS ARE THE PRIMARY PERMANENT STORMWATER MANAGEMENT CONTROLS. THESE ARE SHOWN ON THE POND DETAIL SHEETS.

* AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEETS, THE PLAN-PROFILE SHEETS AND THE POND DETAIL SHEETS.

* SURFACE WATERS: THE ONLY SURFACE WATER WITHIN THE SITE IS THE EAST DITCH, WHICH FLOWS THROUGH THE CULVERT AT STATION 531+00. THIS LOCATES THE PLAN-PROFILE SHEETS AND THE CULVERT CONSTRUCTION DETAIL SHEET. LOCATION: LATITUDE 30° 24' 45"N, LONGITUDE 84° 16' 45"W.

10.0 RUNOFF DATA:

10.1. RUNOFF COEFFICIENTS:

10.1.1. BEFORE: 0.62

10.1.2. AFTER: 0.76

10.2. RUNOFF VOLUMES FROM 0.42 TO 0.76

10.3. SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SURVEY SHEETS. THE RESULTS OF SOIL BORINGS DONE IN THE PONDS ARE SHOWN ON THE POND DETAIL SHEETS. THE NUMBERS FOR THESE ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

11.0 SUMMARY:

11.1. INFORMATION:

11.1.1. THERE ARE 4 OUTFALLS.

11.1.2. LOCATION: LATITUDE 30° 24' 30"N, LONGITUDE 84° 17' 00"W.

11.2. EST. DRAINAGE AREA SIZE: 7.3 ACRES.

11.2.1. LOCATION: LATITUDE 30° 24' 45"N, LONGITUDE 84° 17' 00"W.

11.3. EST. DRAINAGE AREA SIZE: 4.2 SQUARE MILES.

11.3.1. LOCATION: LATITUDE 30° 24' 45"N, LONGITUDE 84° 17' 00"W.

11.4. EST. DRAINAGE AREA SIZE: 1.3 ACRES.

11.4.1. LOCATION: LATITUDE 30° 24' 45"N, LONGITUDE 84° 17' 00"W.

11.5. EST. DRAINAGE AREA SIZE: 1.1 ACRES.

11.5.1. LOCATION: LATITUDE 30° 24' 45"N, LONGITUDE 84° 17' 00"W.

11.6. RECEIVING WATER NAME: EAST DITCH.

11.6.1. RECEIVING WATER NAME: EAST DITCH.

11.6.2. RECEIVING WATER NAME: EAST DITCH.

11.6.3. RECEIVING WATER NAME: EAST DITCH.

11.6.4. RECEIVING WATER NAME: EAST DITCH.

11.6.5. RECEIVING WATER NAME: EAST DITCH.

12.0 SITE MAP:

12.1. THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

* DRAINAGE PATTERNS: THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS. THE BACK OF SIDEWALK PROFILE SHEETS SHOW OVERLAND FLOW DIRECTION AT THE RIGHT OF WAY LINE. THE ARROWS POINTING TO THE PROFILE INDICATE DRAINAGE DIRECTION AT THE LEFT AND RIGHT PROPERTY LINE. RESPECTIVELY. ARROWS POINTING TO THE PROFILE INDICATE RUNOFF COMING TO THE SITE. POINTING AWAY FROM THE SITE INDICATE RUNOFF LEAVING THE SITE.

13.0 SHEET NUMBERS:

2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEQUENCE AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL
DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED
ON THE CONTRACTORS PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN
THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TEMPORARY
TRAFFIC CONTROL PLAN OUTLINED IN THE CONSTRUCTION PLANS. WHERE
FOLLOWING THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THESE
CONSTRUCTION PLANS, THE CONTRACTOR MAY CHOOSE TO ACCEPT THE
FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEQUENCE AND EROSION
CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER, AS WORK
PROGRESSES, MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATIONS,
CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER
PRACTICES.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER
CLEANING AND GRAZING NECESSARY FOR INSTALLATION OF CONTROLS BUT
BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE
PERIMETER CONTROLS ONLY AFTER ALL UPLAND AREAS ARE STABILIZED.

PHASE I OF TEMPORARY TRAFFIC CONTROL PLANS.

ROADWAY, STATION 50+00 TO 52+40 RIGHT: IMMEDIATELY AFTER
CONSTRUCTING THE TEMPORARY PAVEMENT, STABILIZE THE ENTIRE AREA
BETWEEN THE TEMPORARY PAVEMENT AND THE RIGHT OF WAY USING
TEMPORARY SOD.

OUTFALL OF POND 1:

CONSTRUCT THE OUTFALL PIPE FROM S-19 TOWARDS THE POND. THE
CONTRACTOR SHALL HAVE INLET PROTECTION AVAILABLE AT ALL TIMES DURING
THE PIPE CONSTRUCTION TO SUBSTANTIALLY BLOCK RUNOFF IN THE TRENCH
FROM ENTERING THE PIPE. CONSTRUCT PIPE TO THE POND AND CONSTRUCT
THE OUTLET STRUCTURE OF THE POND.

POND 1 CONSTRUCTION:

CLEAR AND GRUB THE POND SITE. INITIALLY EXCAVATE THE POND ENOUGH
TO CONSTRUCT SEQUENCE BARRIERS AS DETAILED IN THE TTC PLAN. THEN
EXCAVATE THE POND TO APPROXIMATE PROPOSED DIMENSIONS. TURN ALL
DISTURBED AREAS OF THE POND SITE ABOVE ELEVATION 51.0. FINAL GRAVING
WILL BE DONE AT THE END OF PHASE TWO OF THE TTC PLAN.

ROADWAY, STATION 50+00 TO 52+40 LEFT:

CONSTRUCT THE STORM DRAIN FROM THE POND TO THE ROADWAY AND THEN
IN THE UPSTREAM DIRECTION ALONG THE LEFT SIDE OF THE PROJECT.
DURING THE SUBSOIL EXCAVATION, AND CONSTRUCTION OF THE ROADWAY
UNDERDRAIN, STORM DRAIN, AND WALL, USE S-20 AS THE PRIMARY INLET FOR
CONVEYANCE TO THE LAURA LEE POND. STAGE CONSTRUCTION AND PROTECT THE
INLET AS DETAILED IN THE TTC PLAN.

ROADWAY, STATION 50+00 TO 52+40 RIGHT:

CONSTRUCT THE STORM DRAIN FROM THE POND TO THE ROADWAY AND THEN
IN THE UPSTREAM DIRECTION ALONG THE LEFT SIDE OF THE PROJECT.
DURING THE SUBSOIL EXCAVATION, AND CONSTRUCTION OF THE ROADWAY
UNDERDRAIN, STORM DRAIN, AND WALL, USE S-20 AS THE PRIMARY INLET FOR
CONVEYANCE TO THE LAURA LEE POND. STAGE CONSTRUCTION AND PROTECT THE
INLET AS DETAILED IN THE TTC PLAN.

2.A.1 STABILIZATION PRACTICES:

IN THE SEQUENCE AND EROSION CONTROL PLAN, DESCRIBE THE
STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. INITIATE ALL
STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE
THAN 7 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR
PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT
LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TEMPORARY:

* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.
* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.
* ASPHALT OR CONCRETE SURFACE.
* SEDIMENT CONTAINMENT SYSTEM: THE PERMANENT STORMWATER PONDS
WILL BE TEMPORARILY MODIFIED ACCORDING TO THE DETAILS IN THE TTC
PLAN.
* STORMWATER PONDS.
* SOD.

2.A.2 STRUCTURAL PRACTICES:

IN THE SEQUENCE AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL
DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP
SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS
SHALL BE IN PLACE BEFORE DISTURBING SOIL IN THE CONSTRUCTION
AREA. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING,
UNLESS OTHERWISE APPROVED BY THE ENGINEER.

* INLET BARRIERS IN ACCORDANCE WITH DESIGN SPECIFICATION SECTION 104, AND
FDEP EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER
MANUAL.
* INLET PROTECTION IN ACCORDANCE WITH FDEP EROSION AND SEDIMENT
CONTROL DESIGNER AND REVIEWER MANUAL, AND SPECIAL DETAILS SHOWN
IN THE TTC PLAN.

* SEDIMENT CONTAINMENT SYSTEM: THE PERMANENT STORMWATER PONDS
WILL BE TEMPORARILY MODIFIED ACCORDING TO THE DETAILS IN THE TTC
PLAN.
* STORMWATER PONDS.
* SOD.

2.B. STORMWATER MANAGEMENT:

SEVERAL STORM DRAIN SYSTEMS WILL BE CONSTRUCTED TO CONVEY
RUNOFF TO THREE STORMWATER REUSAL / DETENTION PONDS. THE FACILITIES HAVE BEEN PERMITTED BY THE FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION (FDEP) AND THE CITY OF NARCOOSSEE
AND COMPLY WITH APPLICABLE STANDARD PLANS.

THE PARAGRAPH ABOVE REFERS TO A 7 DAY LIMIT BEFORE INITIATING
STABILIZATION. THE DEP GENERIC PERMIT SPECIFIES 7 DAYS, BUT
STRicter REQUIREMENTS FROM OTHER PERMITTING AGENCIES WILL OFTEN
APPLY AND SHOULD BE NOTED. FOR EXAMPLE, ST. JOHNS
RIVER WATER MANAGEMENT DISTRICT HAS A 7 DAY LIMIT
IN 40C.42F.A.C. PART 440.

THE FIRST LETTER REFERS TO A 7 DAY LIMIT BEFORE INITIATING
STABILIZATION. THE DEP GENERIC PERMIT SPECIFIES 7 DAYS, BUT
STRicter REQUIREMENTS FROM OTHER PERMITTING AGENCIES WILL OFTEN
APPLY AND SHOULD BE NOTED. FOR EXAMPLE, ST. JOHNS
RIVER WATER MANAGEMENT DISTRICT HAS A 7 DAY LIMIT
IN 40C.42F.A.C. PART 440.

THE PARAGRAPH ABOVE REFERS TO A 7 DAY LIMIT BEFORE INITIATING
STABILIZATION. THE DEP GENERIC PERMIT SPECIFIES 7 DAYS, BUT
STRicter REQUIREMENTS FROM OTHER PERMITTING AGENCIES WILL OFTEN
APPLY AND SHOULD BE NOTED. FOR EXAMPLE, ST. JOHNS
RIVER WATER MANAGEMENT DISTRICT HAS A 7 DAY LIMIT
IN 40C.42F.A.C. PART 440.
2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:
IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED
METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING
BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED
METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE
APPROVED BY THE ENGINEER:

* PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT
DURING CONSTRUCTION ACTIVITIES.

* DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS
ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE
MANUFACTURER.

* DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION
MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR
WETLANDS.

2.C.2 OFF SITE VEHICLE TRACKING & DUST CONTROL:
IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED
METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND
GENERATING DUST. INCLUDE IN THE PROPOSED METHODS AT LEAST THE
FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

* COVERING LOADED HAUL TRUCKS WITH TARPAULINS.

* REMOVING EXCESS DIRT FROM ROADS DAILY.

* STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO THE FD6P
EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL.

* USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH
AS EXCAVATION AND MILLING OPERATIONS.

2.C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY
SEWER, OR SEPTIC TANK REGULATIONS:
IN THE SPECIFICATION SECTION 104, EROSION CONTROL PLAN, DESCRIBE THE
PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL
REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER OR SEPTIC
SYSTEMS.

2.C.4 FERTILIZERS AND PESTICIDES:
IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE
PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED
PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION
982 OF THE SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES:
IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A LIST OF TOXIC
SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A
PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE,
AND DISPOSAL OF THESE SUBSTANCES.

2.D APPROVED STATE AND LOCAL PLANS AND PERMITS:

* FD6P RULE CHAPTER 62-25 F.A.C.

* CITY OF NARCOOSSEE ENVIRONMENTAL MANAGEMENT ORDINANCE NUMBER
96-0-0044AA.

3 MAINTENANCE:
IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A PLAN FOR
MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT
CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY
WITH THE FOLLOWING:

* SILT FENCE: MAINTAIN PER SPECIFICATION SECTION 104. ANTICIPATE
REPLACING SILT FENCE ON 12 MONTH INTERVALS.

* SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S
RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS
OR AREAS.

* PONDS ONE AND TWO: THE PONDS ARE TEMPORARY SEDIMENT BASINS
OR AREAS.

* PONDS ONE AND TWO: THE PONDS ARE TEMPORARY SEDIMENT BASINS
UNTIL THE AREAS THAT DRAIN TO THEM ARE STABILIZED, SO UNTIL THEN,
REMOVE SEDIMENT FROM THE POND WHEN IT BECOMES 1.5' DEEP AT ANY
POINT.

4 INSPECTIONS:
QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE
EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A
STORM THAT IS 0.50 INCHES OR GREATER.

TO COMPLY, INSTALL AND MAINTAIN GAUGES AND RECORD THE DAILY
RANKFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, CONDUCT
INSPECTIONS AT LEAST ONCE EVERY MONTH. ALSO INSPECT THAT CONTROLS
INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION
PREVENTION PLAN.

* POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.

* BUILDING MATERIALS, TO WATERS OF THE UNITED STATES.

* AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO
PRECIPITATION.

* STRUCTURAL CONTROLS.

* STORMWATER MANAGEMENT SYSTEMS.

* LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS
ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND
STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN
SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, PROVIDE ADDITIONAL
MEASURES, AS APPROVED BY THE ENGINEER.

5 NON-STORMWATER DISCHARGES:
IN THE SPECIFICATION SECTION 104 EROSION CONTROL PLAN, IDENTIFY ALL
ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE
FIGHTING ACTIVITIES). DESCRIBE THE PROPOSED MEASURES TO PREVENT
DISCHARGING OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR
ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT DAVE
LETTERMAN, DISTRICT HAZARDOUS MATERIALS COORDINATOR, AT (888)
274-5243.