

REGULATORY REQUIREMENTS FOR CONSTRUCTION PROJECTS INCLUDE:

ENVIRONMENTAL RESOURCE PERMIT (ERP) CONSTRUCTION SURFACE WATER MANAGEMENT PLAN

PURPOSE: PREVENT EROSION AND SEDIMENT DEPOSIT IN WETLANDS/SURFACE WATERS OR ADJACENT PROPERTIES. PREVENT OFFSITE FLOODING. PREVENT VIOLATIONS OF STATE WATER QUALITY STANDARDS.

REGULATORY AGENCY: STATE OF FLORIDA WATER MANAGEMENT DISTRICTS

APPLIES TO: ALL CONSTRUCTION PROJECTS UNLESS SPECIFICALLY EXEMPT BY RULE.

RESPONSIBLE ENTITY: ENVIRONMENTAL RESOURCE PERMITTEE SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE.

REQUIREMENTS: ALL PERMITTED PROJECTS SHALL PREPARE AND MAINTAIN A CONSTRUCTION SURFACE WATER MANAGEMENT PLAN (CSWMP) IN ACCORDANCE WITH F.A.C. 40D RULES, PART B, BASIS OF REVIEW, SECTION 2.8.

MAJOR COMPONENTS OF THE CSWMP

- 1. SITE PLAN.
2. TOPOGRAPHY AND HYDROLOGIC DATA
3. CONSTRUCTION DETAILS.
4. PROCEDURES TO CONTROL EROSION AND SEDIMENTATION.
5. PROCEDURES FOR STORMWATER MANAGEMENT.
6. MAINTENANCE PROCEDURES.
7. INSPECTION RECORDS.

SEE "THE FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL, APRIL 2006 (OR LATEST EDITION) FOR ADDITIONAL INFORMATION. AND CHAPTER 6, "THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT," (FDER 1988)

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)

PURPOSE: PREVENT THE DISCHARGE OF POLLUTANTS ASSOCIATED WITH CONSTRUCTION ACTIVITIES TO SURFACE WATERS OF THE STATE.

REGULATORY AGENCY: EPA AND STATE OF FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION

APPLIES TO: ALL CONSTRUCTION PROJECTS DISTURBING ONE (1) OR MORE ACRES OF LAND UNLESS SPECIFICALLY EXEMPT BY RULE.

RESPONSIBLE ENTITY: THE "OPERATOR" AS DEFINED IN F.A.C. 62-621.300(4)(a) SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE. TYPICALLY THE CONTRACTOR SHALL BE OPERATOR AND FILE NPDES NOTICE OF INTENT (NOI).

REQUIREMENTS: ALL NON-EXEMPT PROJECTS SHALL PREPARE AND MAINTAIN A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH F.A.C. 62-621. THE SWPPP SHALL BE COMPLETED PRIOR TO SUBMITTAL OF THE NOI AND MAINTAINED THROUGH THE LENGTH OF PROJECT.

MAJOR COMPONENTS OF THE SWPPP

- 1. SITE PLAN.
2. TOPOGRAPHY AND HYDROLOGIC DATA
3. CONSTRUCTION DETAILS.
4. PROCEDURES TO CONTROL EROSION AND SEDIMENTATION.
5. MEASURES TO CONTROL OTHER POLLUTANTS.
6. MAINTENANCE PROCEDURES.
7. INSPECTION RECORDS.
8. OPERATOR CERTIFICATION.

SEE "GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES", MAY 2003 (OR LATEST EDITION) FOR ADDITIONAL INFORMATION.

COMPLIANCE WITH NPDES GENERAL PERMIT CONDITIONS FOR CONSTRUCTION SITES SHALL BE THE CONTRACTOR'S RESPONSIBILITY INCLUDING SUBMITTAL OF THE NPDES NOTICES OF INTENT (NOI) AND TERMINATION (NOT) TO FDEP IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.

CONTRACTOR IS ADVISED THAT THIS CONSTRUCTION PLAN SET DOES NOT FULFILL ALL REQUIREMENTS OF THE SWPPP. TO ENSURE COMPLIANCE, ADDITIONAL ITEMS TO BE SUPPLIED AND MAINTAINED ON SITE BY THE CONTRACTOR SHALL INCLUDE:

- 1. Certification Statement.
2. Subcontractor's Statement.
3. Records.
4. Amendments

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INFORMATION CONTAINED IN THESE CONSTRUCTION PLANS IS INTENDED TO PROVIDE A STARTING POINT FOR THE CSWMP AND SWPPP PLANS. IN ORDER TO FULLY COMPLY WITH ALL ASPECTS OF CSWMP AND SWPPP REQUIREMENTS, ADDITIONAL ITEMS SHALL BE PROVIDED BY THE RESPONSIBLE ENTITY TO INCLUDE: INSPECTION RECORDS, UPDATES / MODIFICATIONS, AND CERTIFICATION

REFERENCES MADE TO THE "PLAN" IN THE FOLLOWING NOTES REFERS BOTH TO THE CSWMP AND SWPPP AND SHALL BE INTERCHANGEABLE. THE "PLAN" COMPONENTS PROVIDED BY THE ENGINEER INCLUDE SITE DATA, STORMWATER MANAGEMENT EROSION/SEDIMENT CONTROL, INSTRUCTIONS, DETAILS, AND NOTES AS PRESENTED THROUGHOUT THE CONSTRUCTION PLAN SET.

'PLAN' AMENDMENTS

THE PLAN SHALL BE AMENDED WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR DISCHARGE OF POLLUTANTS TO SURFACE WATERS OF THE STATE OR MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4). THE PLAN ALSO SHALL BE AMENDED IF IT PROVES TO BE INEFFECTIVE OR TO INDICATE ANY NEW CONTRACTOR AND/OR SUBCONTRACTOR IMPLEMENTING CONTROL MEASURES. ALL AMENDMENTS SHALL BE SIGNED, DATED, AND KEPT AS ATTACHMENTS TO THE ORIGINAL PLAN.

SITE DATA

PROJECT NAME: PASCO COUNTY FIRE & RESCUE STATION NO. 17

PROJECT DESCRIPTION: CONSTRUCTION OF A 9,739 S.F. FIRE STATION BUILDING, ASPHALT DRIVE AISLE AND STORM PONDS
LOCATION: S 22 T 26 R 16E

PROJECT SIZE: 3.50 AC SIZE OF DISTURBED AREA: 3.50 AC

SITE MAP: SEE CONSTRUCTION PLANS COVER SHEET

EXISTING TOPOGRAPHY: SEE CONSTRUCTION PLANS SHEET C2.0

PROPOSED TOPOGRAPHY: SEE CONSTRUCTION PLANS SHEET C6.0

PREDEVELOPMENT DRAINAGE MAP: SEE CONSTRUCTION PLANS SHEET D1.0

POST-DEVELOPMENT DRAINAGE MAP: SEE CONSTRUCTION PLANS SHEET D1.1

SCS SOIL DATA: SEE GEOTECHNICAL REPORT PROVIDED BY PROFESSIONAL SERVICES INDUSTRIES, INC. ADDITIONAL DATA INCLUDING GEOTECHNICAL STUDY AND STORM WATER MANAGEMENT REPORT ARE AVAILABLE FROM THE ENGINEER.

RUNOFF COEFFICIENTS:
PREDEVELOPMENT C VALUE = 0.25 UNPAVED
POST-DEVELOPMENT C VALUE = 0.30 UNPAVED
= 0.95 PAVED

DISCHARGE POINTS AND RECEIVING WATER OR MS4 (UP TO 100 YR / 24 HR EVENT)
DISCHARGE POINT: N/A RECEIVING WATER: ON-SITE RUNOFF

DRAINAGE AREA: SEE SHEET D1.0

FDOT PRECIPITATION ZONE: ZONE 6

WATER MANAGEMENT DISTRICT RAINFALL DATA:

2 YR / 24 HR = 4.0 INCHES
5 YR / 24 HR = 6.0 INCHES
10 YR / 24 HR = 7.5 INCHES
25 YR / 24 HR = 9.0 INCHES
100 YR / 24 HR = 12.0 INCHES

CONSTRUCTION ACTIVITIES

- 1. Sequence of Major Soil Disturbing Activities
A. Clearing, grubbing and earthwork for ponds.
B. Clearing, grubbing and earthwork for swales.
C. Storm sewer construction.
D. Clearing and grubbing for utility installation.
E. Clearing, grubbing and earthwork associated with permanent building.
F. Complete site work.
G. Remove erosion control measures prior to final demobilization.

2. Areas of Soil Disturbing Activities
Any areas where permanent features are shown on the plan shall be disturbed.

3. Areas to be Stabilized
All areas disturbed during construction shall be stabilized unless specifically shown otherwise.

CONTROLS

The following discussion defines general guidelines for the use of erosion/sediment controls and stabilization.

- 1. Temporary and permanent stabilization practices.
A. Temporary Sodding
B. Temporary Seeding
C. Permanent planting, sodding and seeding
2. Structural Controls
A. Silt Fences (PER FDOT INDEX 102)
B. Turbidity Barriers (Per FDOT Index 102)
C. Rock Bags
3. Sediment Basins for areas disturbing 10 acres or more.

NOTE: Additional silt fence may also be required to designate limits of construction, protect trees, or satisfy local development requirements.

B. Turbidity Barriers (Per FDOT Index 102): Shall include staked or floating type, as required, wherever there is a point source discharges from project area to surface water. Typical useful life of staked turbidity barriers is 6 months.

C. Rock Bags
May be used as temporary measure for inlet protection per FDOT Index 120. Primary use shall be around curb type inlets.

3. Sediment Basins for areas disturbing 10 acres or more.
Sumps or traps are required to provide 3,600 cu ft of storage per acre drained. When discharge is to an Outstanding Florida Waterway, Storage must be sufficient to accommodate the 10 year / 24 hour storm.

Requirement for sediment trap may be satisfied by utilizing the project storm water ponds. If so, Ponds shall be cleaned of excess sediment prior to final acceptance.

CONTROLS (CONTINUED)

- 4. Permanent storm water management controls.
5. Other Pollutant Controls.
A. Waste Disposal
B. Offsite Vehicle Tracking
C. Herbicides / Pesticides
D. Toxic Substances
6. Non-stormwater discharges.

MAINTENANCE

The contractor shall be responsible for daily inspection and maintenance of all control devices throughout the construction phase and removal of control devices when no longer necessary.

NOTE: For SWFWMD, the PERMITTEE is responsible for ensuring that all controls are properly maintained.

The following practices shall be used to maintain controls.

- 1. The Contractor shall maintain rain gages on the project site and keep a record of daily rainfall.
2. The Contractor shall check and ensure proper operation of the controls.
3. Built-up sediment shall be removed when it has reached 1/3 the height of barrier.
4. Any controls which are not functioning as intended shall be repaired or replaced.
5. Temporary and permanent seeding shall be inspected for bare spots, washouts, and healthy growth.
6. Soil tracking prevention devices shall be maintained to prevent clogging of rock bedding which may impede usefulness of the structure.

INSPECTION AND DOCUMENTATION PROCEDURES

The Contractor shall be responsible for completing weekly inspection report form and maintaining documentation for 3 years following final stabilization. The Contractor shall submit copies of these reports to the owner prior to final payment for work shown within these construction plans. Additional inspection and documentation must be completed within 24 hours after any significant rainfall event.

NOTE: For NPDES, a significant rainfall shall be 0.5 inches or greater. For ERP, a significant rainfall shall be 0.25 inches or greater. To eliminate confusion, Contractor is advised to carryout inspections after rainfall exceeding 0.25 inches. For projects with minimal potential for discharge to surface waters, it may be possible to adjust this criteria. Contact the Engineer for details.

Where sites have been permanently stabilized, inspections/reports shall be conducted at least once per month until construction activities have ceased and NOT has been submitted.

- Minimum inspection requirements shall include:
- Points of discharge to waters of the State.
- Points of discharge to the MS4 (municipal storm sewer).
- Disturbed areas of the site that have not been stabilized.
- Areas used for storage of materials that may create a pollution source (i.e. stockpiles, fuel drums, construction debris) and are exposed to rainfall.
- Structural Controls
- Storm water Management Controls
- Locations where vehicles enter and exit the site.

The Contractor shall initiate repairs / corrections within 24 hours of any items found to be in non-compliance with the associated permit requirements. If inspections indicate that the installed stabilization and structural practices are not sufficient to minimize erosion, retain sediment, and prevent the discharge of pollutants Contractor shall complete corrective measures as needed. Contact the Engineer prior to modifying any structural controls which are specifically shown in the construction plans.

NOTE: THE CONTRACTOR SHALL MAKE REPAIRS/CORRECTIONS TO ERODED AREAS AND MAINTENANCE OF SEDIMENT CONTROL DEVICES WITHOUT ADDITIONAL COST TO THE OWNER AND/OR THE ENGINEER UNLESS PRIOR APPROVAL OF SUCH COST IS RECEIVED BY THE OWNER.

CONSTRUCTION SURFACE WATER MANAGEMENT RESPONSIBLE ENTITY

AS REQUIRED UNDER FAC 40D, PART B, SECTION 2.8.1.(c) THE OWNER/PERMITTEE OR AUTHORIZED AGENT SHALL ENSURE THAT THE SURFACE WATER AND STORM WATER MANAGEMENT MEASURES PROPOSED IN THE "PLAN" ARE EFFECTIVELY IMPLEMENTED UNTIL COMPLETION OF THE PROJECT OR UNTIL THE PERMANENT SURFACE WATER MANAGEMENT SYSTEM IS OPERATIONAL. THE "PLAN" SHALL INCLUDE NOTES, DETAILS AND INSTRUCTIONS FOR STORM WATER MANAGEMENT PRESENTED THROUGHOUT THESE CONSTRUCTION PLANS, AS WELL AS ANY AMENDMENTS TO THE "PLAN" AND RECORD KEEPING THROUGH THE COURSE PROJECT.

THE OWNER/PERMITTEE OR AUTHORIZED AGENT IS AWARE OF, AND HEREBY AGREES TO COMPLY WITH THE STORM WATER MANAGEMENT ITEMS CONTAINED WITHIN THE CONSTRUCTION PLANS, INCLUDING MAINTENANCE OF EROSION CONTROL ITEMS, AS SUBMITTED FOR DISTRICT APPROVAL.

SIGNATURE OF APPLICANT / PERMITTEE OR AGENT FOR SWFWMD PERMIT
PRINTED NAME OF APPLICANT / PERMITTEE OR AGENT FOR SWFWMD PERMIT



FleischmanGarcia logo and contact information for Pasco County, Florida.

Pasco County Fire & Rescue Station No. 17 New Port Richey, Florida

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FGA PROJECT NUMBER 19039

ISSUE DATE 05-25-20

SWPP PLAN

SHEET NUMBER D2.0