RSW Park

Storm Water Pollution Prevention Plan
SWP3

" I certify under penalty of law that this document and all attachments were prepared under my direction or super vision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

To be determined _____

Name (Operator and/or Responsible Authority) Date

PROJECT NAME:	Location Information:
RSW Park	14700 Tarmac Court Fort Myers, FL 33913 In: Southwest International Commerce Park

A site map must be developed and must contain at a minimum, the following information: (SEE CONSTRUCTION PLANS & DETAILS)

1. Drainage patterns.
2. Approximate slopes after major grading activities.
3. Areas of soil disturbance.
4. Outline all areas that are not to be disturbed.
5. Location of all major structural & non-structural controls.
6. The location of expected stabilization practices.
7. Wetlands and surface waters.
8. Locations where storm water may discharge to a surface water or MS4. (Municipal Separate Storm Sewer System)

Site Description:

Describe the nature of the construction activity: This project is the development of Lot Q-1, Southwest International Commerce Park which includes a roadway extension of Tarmac Court and development of the first of two lots as mini-warehouses, similar to the Vehicle Fortress project, immediately to the south. The second lot is for future development.
Describe the intended sequence of major disturbing activities: 0-7 Days: Mobilization, installation of construction barriers at locations shown, installation of silt fence. 8-30 days: Site clearing, rough grading. Begin Roadway Phase including grading, roadway prep, water & wastewater, storm drains, storm drainage, detention basins, SWM discharge control structure 30-180 days: Continue roadway and utility construction; Grading of lot 1, dumpster enclosure, storm drains, utility services and fire protection infrastructure, structure slab/foundations/stem walls, retaining walls, pavement sub-grade and base, stabilize finished slopes. (Note: construction of some buildings may be deferred) 40-335 Days: Sidewalk, curbing, paving, building construction, see phasing plan on sheet 3 of site drawings; 330-365 Days: landscaping & finish work Note: Lot 2 is future development
Total area of the site: **7.41 Acres**
Total area of the site to be disturbed: **5-1/2± Acres**

Existing data describing the soil or quality of any storm water discharge from the site:	Existing soil types are: ▪ 13 – Boca Fine Sand 25.72% ▪ 26 – Pineda Fine Sand 73.49% 1.0 inch of water quality dry detention will be provided prior to discharge, as required by permit 36-05136-P.

Estimate the drainage area size for each discharge point:	7.41 acres
Latitude & Longitude of each discharge point and identify the receiving water or MS4 for each discharge point.	1). Latitude: 26°31'37"N Longitude: 81°47'31"W The SWM system for this site will discharge into lake 3 of the master SWM system for Southwest International Commerce Park (Permit 36-05136-P).

Give a detailed description of all controls, Best Management Practices (BMP's) and measures that will be implemented at the construction site for each activity identified in the intended sequence of major soil disturbing activities section: All controls shall be consistent with performance standards for erosion and sediment control and storm water treatment set forth in s. 62-40.432, F.A.C., the applicable Storm Water or Environmental Resource Permitting requirements of the Department or a Water Management District and the guidelines contained in the Florida Development Manual: A Guide to Sound Land and Water Management (DEP, 1988) and any subsequent amendments.

During all construction activities silt fences shall be installed to prevent contaminated runoff from entering the public right of way and adjacent properties. The area around existing outfall pipe and proposed control structure will be bounded by silt fence.

Describe all temporary and permanent stabilization practices. Stabilization practices include temporary seeding, mulching, permanent seeding, geo-textiles, sod stabilization, vegetative buffer strips, protection of trees, vegetative preservations. Etc.

Disturbed soil areas subject to erosion shall be stabilized immediately. The site is surrounded by an existing berm which shall remain undisturbed except as required by the approved plans.

Permanent structures, temporary or permanent vegetation, and mulch, or a combination of these measures, shall be employed as quickly as possible after the land is disturbed.

Temporary vegetation and mulches can be utilized where it is not practical to establish permanent vegetation.

Such temporary measures shall be employed immediately after rough grading is completed if a delay is anticipated in obtaining finished grade.

Contractor shall stabilize roadways, parking areas, and paved areas with sub-base in accordance with the construction plans as planned.

Describe all structural controls to be implemented to divert storm water flow from exposed soils and structural practices to store flows, retain sediment on site or in any other way limit storm water run-off. These controls include silt fences, earth dikes, diversions, swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, reinforced soil retaining system gabions, coagulating agents and temporary or permanent sediment basins.

All runoff will be directed to the detention system.
A silt fence will be provided on site around the construction area.
Affected storm drain inlets will be protected from silt runoff during building construction.

Describe all sediment basins to be implemented for areas that will disturb 10 or more acres at one time. The sediment basins (or an equivalent alternative) should be able to provide 3,600 FT^3 of storage for each acre drained. Temporary sediment basins (or an equivalent alternative) are recommended for drainage areas under 10 acres.

No areas of disturbance will be over 10 acres therefore no sediment basins are required. The proposed dry detention basins will function as sediment basins during construction.

Describe all permanent storm water management controls such as, but not limited to, detention or retention systems or vegetated swales that will be installed during the construction process.

Stormwater drainage from the pavement is provided by inverted crown in the building area and by gutters in the roadway to direct flow to type "C" inlets and culverts that direct flow into the detention system. Stormwater from the roof drains also flows into this system. The dry detention system provides water quality treatment and a control structure discharges into the master stormwater management system of Southwest International Commerce Park.

Describe in detail controls for the following potential pollutants;

Waste disposal, this may include construction debris, chemicals, litter and sanitary wastes.

Construction Debris:

All construction debris will be placed into a dumpster and hauled away. No debris will be buried on site.

Chemicals:

Any chemicals used will be stored in a weatherproof container under lock & key. Material Safety data Sheets (MSDS) will be kept on site for proper disposal/neutralization in the event of a spill. In the event of a "Reportable Spill" the proper contacts will be notified as per the MSDS.

Litter:

A dumpster will be on site and utilized for litter. A daily inspection of the site for litter shall be performed to prevent litter from accumulating and/or blowing off-site as litter is a source of pollutant in itself.

Sanitary Wastes:

A State Licensed Certified sanitary waste hauler will be utilized for port-o-johns used on the construction site. The waste containers will be pumped out weekly or on an as needed basis.

Off site vehicle tracking from construction site entrances/exits:

The point of access shall be stabilized with gravel to reduce the off-site vehicle tracking of soil.

The proper application rates of all fertilizers, herbicides & pesticides used at the construction site.

The contractor shall administer proper application rates of all fertilizers, herbicides & pesticides used at the construction site.

Any fertilizers, herbicides & pesticides used shall be according to the manufacturer's recommendations as described on the label. All substances shall be kept in its original labeled container.

The storage, application, generation and migration of all toxic substances used at the construction site.

Storage:

No toxic substances are anticipated to be used at the site; however, any substance that is toxic shall be kept in a covered container under lock & key. The site supervisor will be responsible for the substances storage, usage and proper disposal methods of any left over product and/or the empty containers.

Any substance used shall be according to the manufacturer's recommendations as described on the label. All substances shall be kept in its original labeled container. If any substance(s) must be transferred to a new container (due to leakage/breakage etc.) the new container will be sealed and labeled accordingly.

Other: Vehicle maintenance.

Any maintenance done on heavy equipment shall be required to use a non-pervious material placed under the area to be worked on. The purpose of this is to catch any petroleum products from coming into contact with the ground soils and/or washing away into a surface water or MS4 during a rain event. All oils/greases shall be disposed of properly so as not to contaminate any areas on the construction site.

Provide a detailed description of the maintenance plan for all structural & non-structural controls to assure that they remain in good and effective operating condition.

Regular inspections will occur weekly and within 24 hours of the end of a storm event that is 0.50" or greater as required by Part V.D.4 of the permit.

In event that a BMP needs to be repaired or replaced, the maintenance will be performed within 24 hours. In no case shall the repair take more than 7 days.

Inspections: Describe the inspection and the inspection documentation procedures, as required by Part V.D.4 of the permit. Inspections must occur at least once per week and within 24 hours of the end of a storm event that is 0.50" or greater.
Inspections will occur at least once per week and within 24 hours of the end of a storm event that is 0.50" or greater as required by Part V.D.4 of the permit. A qualified Inspector shall be retained during construction activities to inspect all points of possible discharge, storage of materials to rain, pollution control installations and stabilized construction entrances/exits. Detailed reports of inspections will be produced and filed at the construction site field office.

Identify and describe all sources of non-storm water discharges as allowed in Part IV.A.3. of the permit. Flows from fire fighting activities do not have to be listed or described.
Wash waters from vehicle washing.(no detergent or degreaser use permitted)

This SWP3 must clearly identify, for each measure identified within the SWP3, the contractor(s) or subcontractor(s) that will implement each measure. All contractor(s) and subcontractor(s) identified in the SWP3 must sign the following certification:

"I certify under penalty of law that I understand and shall comply with, the terms and conditions of the State of Florida Generic Permit for Storm Water Discharge from Large and Small Construction Activities and this Storm Water Pollution Prevention Plan prepared there-under."

Name:	Title:	Company Name, Address, & Phone Number.	Date:
(Type) _____ Signature:		**To be determined**	
_____ (Type) _____ Signature:			

Stormwater Pollution Prevention Plan Inspection Report Form

Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater.

Project Name:_____ FDEP NPDES Stormwater Identification Number: FLR10_____

Location	Rain data	Type of control (see below)	Date installed / modified	Current Condition (see below)	Corrective Action / Other Remarks

Condition Code:

G = Good M = Marginal, needs maintenance or replacement soon P = Poor, needs immediate maintenance or replacement

C = Needs to be cleaned O = Other

Control Type Codes

1. Silt Fence	10. Storm drain inlet protection	19. Reinforced soil retaining system	28. Tree protection
2. Earth dikes	11. Vegetative buffer strip	20. Gabion	29. Detention pond
3. Structural diversion	12. Vegetative preservation area	21. Sediment Basin	30. Retention pond
4. Swale	13. Retention Pond	22. Temporary seed / sod	31. Waste disposal / housekeeping
5. Sediment Trap	14. Construction entrance stabilization	23. Permanent seed / sod	32. Dam
6. Check dam	15. Perimeter ditch	24. Mulch	33. Sand Bag
7. Subsurface drain	16. Curb and gutter	25. Hay Bales	34. Other
8. Pipe slope drain	17. Paved road surface	26. Geotextile	
9. Level spreaders	18. Rock outlet protection	27. Rip-rap	

Inspector Information:

_____ _____ _____

Name Qualification Date

The above signature also shall certify that this facility is in compliance with the Stormwater Pollution Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non-compliance identified above.

* * * * * *

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

_____ _____

Name (Responsible Authority) Date