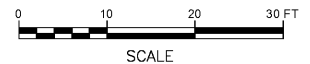


Storm Water Retention Calculations (User Entries are in Green)		
Project Info (Permit# / Name / etc.)		
Key West International Airport -		
18221.05		
Property size		
	11,800.00	sq ft
	0.27	acres
25 year, 1 day event (P)		
	8.0	inches
On site storm water retention/detention		
	2150.0	cu ft
Water Quantity Calculation [MCC 114-3(f)(1)]		
Pre-development		
% impervious	24.1%	%
Disturbed?		Y or N
Depth to Water Table (SHWT)	2	ft
Soil Storage based on depth to SHWT (Ia)	1.88	inches
S (acctg for %impervious)	1.43	inches
Runoff (Q)	6.51	inches
Post Development		
% impervious	88.1%	%
Disturbed?	Y	Y or N
Depth to Water Table (SHWT)	2	ft
Soil Storage based on depth to SHWT (Ia)	1.88	inches
S (acctg for %impervious)	0.22	inches
Runoff (Q)	7.74	inches
Change in Runoff (Post - Predevelopment)		
	1.23	inches
Volume to be retained (post-pre) (quantity)		
	1186	cu ft
Water Quality Calculation [MCC 114-3(f)(2)]		
Volume to be retained (quality basis)		
	2129	cu ft

EXISTING POND VOLUME = 1912 CF
 PROPOSED POND VOLUME = 4114 CF
 NET POND VOLUME INCREASE = 2200 CF

- NOTES:
 1. PARKING DECK DRAINAGE RUNOFF WILL BE DIRECTED TO THE EXISTING RETENTION AREA. (SEE STRUCTURAL PLANS)

LEGEND	
	UNCOMPACTED GRAVEL AREA
	EXISTING SPOT ELEVATION
	PROPOSED SPOT ELEVATION



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PROJECT MILESTONE		
BID PLANS		
NO.	DATE	DESCRIPTION

CLIENT: **KEY WEST INTERNATIONAL AIRPORT**
 KEY WEST, FLORIDA
 PROJECT: **AIRPORT MAINTENANCE STORAGE FACILITY PROJECT**

DRAWN	JES
DESIGNED	AJF
CHECKED	AJF
SCALE	1"=10'
DATE	MARCH 04, 2020
PROJECT	18221.05

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWING TITLE
GRADING, DRAINAGE, EROSION CONTROL PLAN

DRAWING NUMBER
GR-01