ATTACHMENT NO. 28 NATURAL COMMUNITY CLASSIFICATION

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Table 1 summarizes information that was provided in Attachment Nos. 28 and 33d with the JCP Application. This table shows the seagrass species and percent cover observed at each patch, as well as the acreage and location of each patch (borrow area, 0-150 m from borrow area or > 150 m from borrow area) based on the September 2014 survey (CB&I, 2014). A total of 5.71 acres of seagrass were documented, including 1.68 acres within proposed borrow areas. No seagrass was observed within the fill placement area or the associated fill placement area mixing zone. Figure 1 shows the location of seagrass delineated in September 2014 (CB&I, 2014) and 2001 (Dial Cordy, 2001), and also includes additional seagrass data within Sarasota Bay provided by Southwest Florida Water Management District (SWFWMD, 2012). The only other available seagrass data in the project vicinity is 23 years old (CPE, 1992), and the resources were not delineated *in situ* by divers at that time.

Table 1. Summary of seagrass observations in the investigation area (CB&I, 2014). Site refers to patches delineated in Figure 2 of the Lido Key HSDR benthic resource investigation observation

report (CB&I, 2014), provided as Attachment No. 28-1 with JCP Application

report (CB&1, 2014), provided as Attachment No. 28-1 with JCP Application.					
Site	Depth (m)	Species	Percent Cover	Acreage	Location
					0-150 m from borrow
Patch 1	1	Syringodium filiforme	75-100%	2.81	area
					0-150 m from borrow
Patch 2	1	Syringodium filiforme	75-100%	0.95	area
					0-150 m from borrow
Patch 3	2	Halodule wrightii	50-75%	N/A ¹	area
					0-150 m from borrow
Patch 4	2	Halodule wrightii	50-75%	N/A ¹	area
					0-150 m from borrow
Patch 5	2	Halodule wrightii	75-100%	0.02	area
					0-150 m from borrow
Patch 6	2	Halodule wrightii	50-75%	0.02	area
					0-150 m from borrow
Patch 7	2	Halodule wrightii	50-75%	0.15	area
				_	> 150 m from borrow
Patch 8	4	Syringodium filiforme	N/A ²	N/A ²	area
Patch 9	3	Halodule wrightii	numerous, but < 5%	1.18	Borrow Area D
Patch 10	3	Halodule wrightii	numerous, but < 5%	0.45	Borrow Areas C + D
Patch 11	2	Halodule wrightii	numerous, but < 5%	0.05	Borrow Areas C + D
					0-150 m from borrow
Patch 12	3	Halodule wrightii	numerous, but < 5%	0.08	area
Patch 13	3	Halodule wrightii	few, < 5%	N/A ¹	Borrow Area B
					0-150 m from borrow
Patch 14	5	Halophila decipiens	50-75%	N/A ¹	area

¹Single small patch of seagrass < 0.5 m² (0.0001 acre)

²Divers were unable to collect in situ data for Patch 8 due to the unsafe diving conditions at the site.

References

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