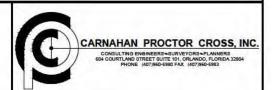


Revised:

SAJ 2015-03799

Sheet 1 General Location Map

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



P:\PROJECT FOLDERS\130217.01 Lake Flores -MP & Phase 1\Submittal\ACOE Submittal 12-12-2016\FPI_LANDUSE.dwg



FLUCFCS Codes				Australian Pine	14.3	
Codes	Description	Acres	438	Mixed Hardwoods	5.3	
140	Commercial	0.0	510	Streams and Waterways	3.3	
175	Government	0.0	530	Resevoirs	18.9	
180	Recreational	10.6	610	Wetland Hardwood Forested	2.2	
200	Agriculture	987.4	612	Mangrove Swamps	1.8	
414	Pine Mesic Oak	18.0	619	Exotic Wetland Hardwoods	29.5	
4141	Pine Mesic Oak (Altered)	13.1	6191	Exotic Wetland Hardwoods w/ Salt Brush	4.3	
422	Brazilian Pepper	143.0	630	Wetland Forested Mixed	0.5	
424	Melaleuca	0.9	6415	Dog Fennel and Low Marsh Grasses	0.7	
425	Temperate Hardwood	6.1	6417	Freshwater Marsh /Shrubs, Brush, and Vines	2.2	
4251	Temperate Hardwood (Altered)	4.7	651	Tidal Flats	0.9	
4341	Hardwood Conifer Mixed (Altered)	6.7		Total Acreage:	1274.5	





Feet

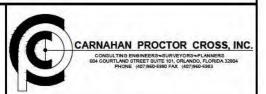
Date: December 13, 2016

SAJ 2015-03799

Sheet 2 Existing Vegetation and Land Use Map

Revised:

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



-ALL DITCHES SHOWN AS TOP OF BANK -LIMITS OF ENUMERATED WETLANDS AND DITCHES APPROXIMATE ACRES OF MANGROVE SWAMP, TIDAL FLATS, AND EXOTIC WETLAND HARDWOODS IN DRAINAGE STRIPS (DS) HAVE NOT BEEN APPROVED BY DATUM NAVD 1988 SWFWMD.

1.08 AC.

W-02A 0.17 AC. WETLAND

EDGE AVG

EL=6.82'

PUMPBACK STATION

AMERICAN BALD EAGLE NEST MN038

WETLAND EDGE

AVG. EL=7.30'

W-01 0.20 AC. WETLAND EDGE

AVG EL= 7.77'

AMERICAN BALD EAGLE NEST

MANAGEMENT

20

SARASOTA BAY TIDAL AMPLITUDE TABLE MLW -1.21 FEET MEAN LOW WATER MEAN LOWER LOW WATER

PROPERTY BOUNDARY R R D

NAVD '88 + 1.0' = NGVD '29

0.46 AC.

WETLAND EDGE AVG.

EL=11.62'

OSW/DITCH TOP OF

BANK

DATUM CONVERSION:

OSW-10 0.13 AC.

OSW-7 0.17 AC.

OSW-11 0.11 AC.

B RR WP P

OSW-128 0.56 AC.

WETLAND EDGE AVG.

EL=12.77'

1.21 AC. WETLAND EDGE AVG.

EL. 12.88'

L ge d

WETLAND

WETLAND IDENTIFICATION NUMBER

LOCATION OF CONTROL STRUCTURE

1.73 AC

PROJECT BOUNDARY

HEADWALL CULVERT

OSW/DITCH TOP OF BANK

Code Number Wetland ID# Exotic Wetland Hardwoods W-01 0.20 2.18 Exotic Wetland Hardwoods W-02 W-02A 0.17 Freshwater Marsh with Shrubs, Brush, and Vines Exotic Wetland Hardwoods W-03 W-04 0.46 Exotic Wetland Hardwoods W-06 Exotic Wetland Hardwoods Exotic Wetland Hardwoods W-08 0.15 Exotic Wetland Hardwoods W-09 0.73 Exotic Wetland Hardwoods 1.21 W-10 Exotic Wetland Hardwoods W-11 W-12 5.14 W-13

0.43

0.75

1.57

1.24

1.28

2.74

135 OSW-79

1497 OSW-80

366 OSW-81

265 OSW-82

265 OSW-83

408 OSW-84

357 OSW-85

383 OSW-87

1876 OSW-88

42 OSW-88A

108 OSW-89

147 OSW-90

249 OSW-91

314 OSW-92

330 OSW-93

664 OSW-94

342 OSW-95

639 OSW-96

1554 OSW-97

102 OSW-98

602 OSW-99

1043 OSW-100

479 OSW-101

270 OSW-102

723 OSW-103

331 OSW-105

2793 OSW-106

948 OSW-107

200 OSW-108

306 OSW-109

249 OSW-110 121 OSW-11:

462 OSW-112

881 OSW-113

531 OSW-114

117 OSW-115

198 OSW-116

828 OSW-117

503 OSW-118

151 OSW-119

423 OSW-120

58 OSW-121

507 OSW-122

213 OSW-123

1068 OSW-125

593 OSW-126

326 OSW-146

35 OSW-147

163 OSW-148

475 OSW-149

0.197

35 OSW-124

77 OSW-104

37 OSW-86

W-14

W-15

W-16

W-17

W-18

W-19

W-20

W-21

W-22

W-23

W-24

W-24A

W-27

W-A

W-29

W-30

W-32

Total

OSW-5

OSW-6

OSW-8

OSW-9

OSW-10

DSW-12

SW-14

OSW-15

DSW-16

DSW-17

OSW-18

OSW-19

OSW-21

OSW-22

OSW-23

DSW-24

SW-25

OSW-28

OSW-29

OSW-36

OSW-37

DSW-41

DSW-42 DSW-43

SW-44

DSW-46

OSW-47

OSW-73

OSW-74

OSW-75

0.064

0.182

0.505

0.125

0.082

OSW-13

Exotic Wetland Hardwoods Dog Fennel with Low Marsh Grasses Exotic Wetland Hardwoods Exotic Wetland Hardwoods Exotic Wetland Hardwoods with Salt Bush Exotic Wetland Hardwoods Exotic Wetland Hardwoods Exotic Wetland Hardwoods with Salt Bush Exotic Wetland Hardwoods

Exotic Wetland Hardwoods

971 OSW-225

126 OSW-226

40 OSW-228

45 OSW-229

1129 OSW-230

808 OSW-231

1054 OSW-232A

65 OSW-234

141 OSW-234/

1531 OSW-235

1928 OSW-236

2035 OSW-236A 632 OSW-237

430 OSW-238

651 OSW-238a

645 OSW-239

465 OSW-240

585 OSW-242

588 OSW-243

155 OSW-244

1034 OSW-246

660 OSW-246A

256 OSW-249

377 OSW-250

762 OSW-251

98 OSW-252

376 OSW-254

298 OSW-255 912 OSW-256

1165 OSW-257

1155 OSW-258

1349 OSW-259

1075 OSW-260 1369 OSW-261

373 OSW-262

937 OSW-263

290 OSW-264

786 OSW-265

1473 OSW-232

1598 OSW-227

WETLAND ACREAGES AND LAND USE CODES (FLUCFCS) LAKE FLORES DEVELOPMENT, MANATEE COUNTY, FL

Type

Exotic Wetland Hardwoods 1.27 Wetland Hardwood Forests 0.51 Wetland Forested Mixed 1.08 Exotic Wetland Hardwoods Exotic Wetland Hardwoods Exotic Wetland Hardwoods

OTHER SU FACE WA ER (OSW) D TABLE

Total Acreage (AC) Total Length (LF) 88.875 180,860

32 OSW-151

1485 OSW-152

953 OSW-153

729 OSW-154

1089 OSW-155

670 OSW-156

163 OSW-157

450 OSW-158

343 OSW-159

255 OSW-160

546 OSW-161

929 OSW-162

453 OSW-163

419 OSW-164

350 OSW-165

306 OSW-166

1244 OSW-167

251 OSW-168

309 OSW-170

196 OSW-171

322 OSW-172

367 OSW-173

131 OSW-174

353 OSW-175

309 OSW-177

145 OSW-178

141 OSW-179

302 OSW-180

440 OSW-181

208 OSW-182

486 OSW-183

676 OSW-184

176 OSW-185

261 OSW-186

571 OSW-187

351 OSW-188

431 OSW-189

518 OSW-190

776 OSW-192

34 OSW-193

376 OSW-194

36 OSW-195

426 OSW-196

416 OSW-197

29 OSW-198a

971 OSW-198b

26 OSW-199

1085 OSW-198

2380 OSW-191

0.286

0.274

2174 OSW-169

0.132

2.18 AC. WETLAND EDGE AVG. EL=7.01' WETLAND 54 EDGE AVG. AC EL. 12.72' 0.88 AC. WETLAND EDGE W-06 0.52 AC. WETLAND EDGE AVG AVG. EL=13.20 W-13 5.10 AC. WETLAND EDGE AVG. EL=8.31' 5.14 AC. WETLAND EDGE AVG. EL=12.75' EL=13.215' W-29 EDGE AVG. EL=12.99' OSW-131 0.73 AC. NP=12.40' 0.43 AC. OSW-132 0.21 AC WETLAND EDGE AVG. EL=13.38' 0.08 AC. WETLAND EDGE AVG. EL=12.50' 0.13 AC. WETLAND EDGE AVG. EL=5.97 WETLAND EDGE AVG. EL=8.38' W-32 0.37 AC. WETLAND EDGE AVG. EL=13.41' INVERT=12.0' W-16 3.08 AC. WETLAND EDGE AVG. EL=13.13' OSW/DITCH TOP OF W-08 0.15 AC. WETLAND EDGE AVG. EL=11.81'

AND

OF

INVERT=12.0 INVERT=11. INVERT=9.0 L FLAT (0.07 AC)-APPROXIMATE LOCATION OF THE - MEAN HIGH WATER LINE, ELEVATION 0.25' EXOTIC WETLAND HARDWOOD STREAMS & WATERWAYS (0.17 AC.)-APPROXIMATE LOCATION OF THE MEAN HIGH WATER LINE. **ELEVATION 0.25** LONG BAR POINT WETLAND JURISDICTIONAL LINE MANGROVE SWAMP -FLUCFCS CODE LIMIT LINE

0.73 A 0.53 AC. 0.17 AC. WETLAND EDGE AVG. EL=10.72'

17 OSW-127 2162 OSW-200 769 OSW-266 1412 OSW-128 1157 OSW-201 605 OSW-267 OSW-56 221 OSW-129 1336 OSW-202 463 OSW-268 547 OSW-130 1501 OSW-203 705 OSW-268A 802 OSW-131 1596 OSW-204 446 OSW-269 911 OSW-132 467 OSW-205 334 OSW-270 OSW-60 600 OSW-133 414 OSW-206 1385 OSW-271 DSW-61 465 OSW-134 606 OSW-207 563 OSW-272 193 OSW-135 447 OSW-208 644 OSW-27 502 OSW-136 111 OSW-209 89 OSW-274 847 OSW-137 523 OSW-275 OSW-65 0.18 402 OSW-138 0.089 255 OSW-211 0.232 549 OSW-276 0.397 551 OSW-139 127 OSW-212 705 OSW-277 OSW-67 426 OSW-140 112 OSW-213 328 OSW-278 OSW-68 0.104 271 OSW-141 691 OSW-214 419 OSW-SO1 0.233 OSW-69 0.363 897 OSW-142 748 OSW-215 0.265 549 OSW-SO2 0.326 OSW-70 380 OSW-143 527 OSW-216 700 OSW-SO3 0.285 178 OSW-SO4 375 OSW-144 951 OSW-217 0.825 248 OSW-145 1088 OSW-218 0.433

467 OSW-219

1956 OSW-220

77 OSW-221

63 OSW-222

0.493

0.516

WETLAND ACREAGES AND LAND USE CODES (FLUCFCS) O HER SURFACE WATER (O W ID TABLE LAKE FLORES DEVELOPMENT, MANATEE COUNTY, FL -ALL DITCHES SHOWN AS TOP OF BANK Total Acreage (AC) Total Length (LF) -LIMITS OF ENUMERATED WETLANDS AND DITCHES Decembe Code Number Wetland ID# (OSW) HAVE BEEN APPROVED BY SWFWMD ERP PERMIT Type 180.860 #42599.000 DATED: JULY 25, 2016. LOCATION OF 0.20 Exotic Wetland Hardwoods OSW ID #s | AREA (AC) | LENGTH (LF) | OSW ID #s | AREA (AC) | LENGTH (LF) | OSW ID #s | AREA (AC) | LENGTH (LF) | OSW ID #s | AREA (AC) | LENGTH (LF) W-02 2.18 Exotic Wetland Hardwoods APPROXIMATE ACRES OF MANGROVE SWAMP, TIDAL 269 OSW-77 0.256 738 OSW-150 ised 1.739 4028 OSW-223 0.399 W-02A 0.17 Freshwater Marsh with Shrubs, Brush, and Vines OSW-4 0.206 FLATS, AND EXOTIC WETLAND HARDWOODS IN 0.024 82 OSW-78 0.013 32 OSW-151 0.14 340 OSW-224 OSW-5 0.444 0.974 0.05 135 OSW-79 0.549 1485 OSW-152 971 OSW-225 DRAINAGE STRIPS (DS) HAVE NOT BEEN APPROVED BY 0.13 Exotic Wetland Hardwoods 953 OSW-153 0.063 0.523 OSW-6 0.74 1497 OSW-80 0.414 126 OSW-226 1058 SWFWMD. 0.46 Exotic Wetland Hardwoods OSW-7 0.17 366 OSW-81 729 OSW-154 0.796 1598 OSW-227 0.021 0.3 W-06 0.52 619 Exotic Wetland Hardwoods OSW-8 0.116 0.466 1089 OSW-155 0.017 40 OSW-228 1.95 265 OSW-82 0.08 Exotic Wetland Hardwoods SARASOTA BAY TIDAL AMPLITUDE TABLE D 0.257 670 OSW-156 701 OSW-228A 1.34 OSW-9 265 OSW-83 0.38 Exotic Wetland Hardwoods 0.15 0.131 0.062 163 OSW-157 0.018 45 OSW-229 0.087 OSW-10 408 OSW-84 W-09 0.73 Exotic Wetland Hardwoods W 0.733 0.922 MHHW +0.54 FEET MEAN HIGHER HIGH WATER OSW-11 0.117 357 OSW-85 0.193 450 OSW-158 1129 OSW-230 1.21 Exotic Wetland Hardwoods 343 OSW-159 OSW-12 0.015 37 OSW-86 0.145 0.41 808 OSW-231 0.342 774 MHW +0.25 FEET MEAN HIGH WATER Exotic Wetland Hardwoods 0.37 0.035 OSW-13 0.187 383 OSW-87 0.078 255 OSW-160 1473 OSW-232 N MSL -0.46 FEET MEAN SEA LEVEL 5.14 Exotic Wetland Hardwoods 0.228 1.088 1876 OSW-88 0.225 546 OSW-161 0.518 1054 OSW-232A OSW-14 W-13 5.10 619 0 Exotic Wetland Hardwoods MLW -1.21 FEET MEAN LOW WATER OSW-15 0.016 42 OSW-88A 929 OSW-162 0.07 184 OSW-233 0.209 0.4 0.88 Exotic Wetland Hardwoods 619 MLLW -1.55 FEET MEAN LOWER LOW WATER 0.598 OSW-16 0.042 108 OSW-89 0.166 453 OSW-163 0.025 65 OSW-234 1200 0.43 Exotic Wetland Hardwoods 0 DATUM NAVD 1988 3.08 Exotic Wetland Hardwoods 0.152 OSW-17 0.046 147 OSW-90 0.164 419 OSW-164 0.056 141 OSW-234A 0.53 Exotic Wetland Hardwoods OSW-18 0.082 249 OSW-91 0.132 350 OSW-165 1.052 1531 OSW-235 0.546 DATUM CONVERSION: 0 0.75 Dog Fennel with Low Marsh Grasses 0.114 0.02 OSW-19 0.124 306 OSW-166 0.913 1928 OSW-236 314 OSW-92 NAVD '88 + 1.0' = NGVD '29 W-19 1.57 Exotic Wetland Hardwoods OSW-20 0.273 330 OSW-93 0.599 1244 OSW-167 1.367 2035 OSW-236A 0.15 Exotic Wetland Hardwoods W-20 1.24 0.236 OSW-21 0.987 664 OSW-94 0.126 251 OSW-168 0.273 632 OSW-237 Exotic Wetland Hardwoods with Salt Bush W-21 1.28 0.461 OSW-22 1.085 2174 OSW-169 0.17 430 OSW-238 0.14 342 OSW-95 2.74 B R WP P Exotic Wetland Hardwoods 309 OSW-170 OSW-23 0.384 639 OSW-96 0.158 0.251 651 OSW-238a 0.231 521 W-23 0.45 619 Exotic Wetland Hardwoods OSW-24 0.794 1554 OSW-97 0.087 196 OSW-171 645 OSW-239 0.45 3.05 Exotic Wetland Hardwoods with Salt Bush 322 OSW-172 0.161 0.187 OSW-25 102 OSW-98 465 OSW-240 0.114 W-24A 0.83 619 Exotic Wetland Hardwoods OSW-26 0.277 602 OSW-99 0.11 367 OSW-173 0.073 163 OSW-241 0.071 534 Reservoirs less than 10 acres 0.40 Exotic Wetland Hardwoods W-25 619 OSW-27 0.533 1043 OSW-100 0.046 131 OSW-174 0.264 585 OSW-242 0.118 371 0.59 Exotic Wetland Hardwoods 0.139 354 OSW-28 0.212 479 OSW-101 0.135 353 OSW-175 0.274 588 OSW-243 1.27 Wetland Hardwood Forests 7.72 534 Reservoirs less than 10 acres 0.066 OSW-29 270 OSW-102 0.105 309 OSW-177 155 OSW-244 0.113 0.093 0.51 Wetland Forested Mixed 145 OSW-178 723 OSW-103 0.04 0.097 0.256 OSW-30 0.351 246 OSW-245 710 619 Exotic Wetland Hardwoods 1.08 OSW-31 0.039 77 OSW-104 0.047 141 OSW-179 0.448 1034 OSW-246 0.319 1.31 619 Exotic Wetland Hardwoods 0.254 OSW-32 331 OSW-105 0.118 302 OSW-180 660 OSW-246A 0.419 1197 0.194 0.37 619 Exotic Wetland Hardwoods 0.167 0.654 OSW-33 0.066 2793 OSW-106 440 OSW-181 1520 OSW-247 Total 38.80 OSW-34 0.383 948 OSW-107 0.077 208 OSW-182 166 OSW-248 0.085 0.07 200 OSW-108 0.249 486 OSW-183 256 OSW-249 0.081 OF 0.383 676 OSW-184 0.38 OSW-36 0.119 306 OSW-109 0.199 436 OSW-249A OSW-37 0.09 0.067 176 OSW-185 0.011 23 OSW-249B 0.144 581 249 OSW-110 684 OSW-38 0.041 0.107 261 OSW-186 0.17 377 OSW-250 0.346 121 OSW-111 0.204 OSW-39 0.107 462 OSW-112 0.263 571 OSW-187 762 OSW-251 881 OSW-113 0.044 OSW-40 0.406 0.143 351 OSW-188 0.333 98 OSW-252 0.045 0.394 OSW-41 0.209 0.178 431 OSW-189 73 OSW-253 531 OSW-114 INVERT=11.0 OSW-141 INVERT=9.0' OSW-42 0.049 117 OSW-115 0.328 518 OSW-190 0.357 376 OSW-254 0.268 OSW-43 0.061 1.764 2380 OSW-191 0.124 298 OSW-255 0.204 198 OSW-116 OSW-44 0.514 0.528 0.119 828 OSW-117 776 OSW-192 912 OSW-256 0.261 0.66 0.268 OSW-45 503 OSW-118 0.028 34 OSW-193 1165 OSW-257 EXOTIC WETLAND HARDWOOD OSW-46 151 OSW-119 0.235 376 OSW-194 0.826 1155 OSW-258 0.153 OSW-47 0.023 36 OSW-195 0.053 423 OSW-120 1349 OSW-259 OSW-48 0.604 0.035 58 OSW-121 0.236 426 OSW-196 1075 OSW-260 0.367 53RD AVENUE WEST 0.582 507 OSW-122 0.264 416 OSW-197 1369 OSW-261 0.16 OSW-49 0 OSW-50 213 OSW-123 0.449 1085 OSW-198 373 OSW-262 0.147 OSW-51 35 OSW-124 937 OSW-263 29 OSW-198a 0.118 OSW-52 1068 OSW-125 971 OSW-198b 290 OSW-264 OSW-53 26 OSW-199 593 OSW-126 0.303 786 OSW-265 INVERT=8.0' **OSW-54** 17 OSW-127 2162 OSW-200 769 OSW-266 FLUCFCS CODE LIMIT LINE OSW-55 1412 OSW-128 0.561 1157 OSW-201 0.247 605 OSW-267 1336 OSW-202 **OSW-56** 463 OSW-268 221 OSW-129 **OSW-57** 547 OSW-130 0.725 1501 OSW-203 705 OSW-268A 0.19 OSW-SC APPROXIMATE LOCATION OF THE MEAN HIGH WATER LINE, ELEVATION 0.25' 446 OSW-269 0.22 802 OSW-131 0.733 1596 OSW-204 0.206 AND 467 OSW-205 334 OSW-270 0.221 OSW-59 911 OSW-132 0.211 OSW-60 414 OSW-206 600 OSW-133 1385 OSW-271 465 OSW-134 606 OSW-207 563 OSW-272 OSW-61 0.157 0.294 0.319 0.539 EXOTIC WETLAND HARDWOOD STREAMS & WATERWAYS 447 OSW-208 **OSW-62** 644 OSW-273 193 OSW-135 OSW-63 0.208 502 OSW-136 0.044 111 OSW-209 89 OSW-274 0.153 APPROXIMATE LOCATION OF THE MEAN HIGH WATER LINE, 847 OSW-137 523 OSW-275 1877 OSW-210 0.271 **OSW-64** OSW-65 402 OSW-138 0.089 255 OSW-211 0.232 549 OSW-276 0.397 WETLAND EDGE AVG 127 OSW-212 705 OSW-277 551 OSW-139 OSW-66 LONG BAR POINT WETLAND EL=10.72' 112 OSW-213 426 OSW-140 328 OSW-278 OSW-67 0.283 URISDICTIONAL LINE MANGROVE SWAMP **OSW-68** 0.104 0.282 691 OSW-214 419 OSW-SO1 0.233 271 OSW-141 748 OSW-215 549 OSW-SO2 OSW-69 897 OSW-142 0.251 0.326 527 OSW-216 OSW-70 380 OSW-143 700 OSW-SO3 0.285 0.405 951 OSW-217 0.825 TIDAL FLAT (0.00 AC)-OSW-71 375 OSW-144 178 OSW-SO4 BOUNDARY 0.458 1088 OSW-218 **OSW-72** 0.102 248 OSW-145 OSW-73 326 OSW-146 467 OSW-219 0.493 35 OSW-147 1956 OSW-220 0.446 OSW-74 77 OSW-221 OSW-75 163 OSW-148 OSW-76 475 OSW-149 0.027 63 OSW-222 0.516 INVERT=2.00' INVERT=2.02' EXOTIC WETLAND HARDWOOD STREAMS & WATERWAYS 0.75 AC. WETLAND EDGE AVG. MANGROVE SWAMP (0.16 AC)-APPROXIMATE LOCATION OF THE MEAN HIGH WATER LINE, ELEVATION 0.25' OSW/DITCH EL=11.50' TIDAL FLAT (0.48 AC) FLUCFCS CODE LIMIT LINE-BOUNDARY WEILAND IDENTIFICATION NUMBER PROJECT BOUNDARY STREAMS & WATERWAYS LOCATION OF CONTROL STRUCTURE INVERT=4.0' HEADWALL CULVERT OSW/DITCH TOP OF BANK

58 581 441

1200 578 1200

ge d

OTHER SUR ACE WAT R OSW) D ABLE

180,860

AREA (AC) LENGTH (LF) OSW ID #s AREA (AC) LENGTH (LF) OSW ID #s AREA (AC) LENGTH (LF)

4028 OSW-223

340 OSW-224

971 OSW-225

126 OSW-226

1598 OSW-227

40 OSW-228

701 OSW-228A

45 OSW-229

1129 OSW-230

808 OSW-231

1054 OSW-232A

65 OSW-234

141 OSW-234A

1531 OSW-235

1928 OSW-236

2035 OSW-236A

632 OSW-237

430 OSW-238

651 OSW-238a

645 OSW-239

465 OSW-240

163 OSW-241

585 OSW-242

588 OSW-243

155 OSW-244

246 OSW-245

1034 OSW-246

0.206

0.974

0.523

0.021

1.95

0.087

0.922

0.342

0.228

0.152

0.461

0.231

0.45

0.114

0.071

0.139

0.113

0.256

Total Acreage (AC) Total Length (LF)

88.875

738 OSW-150

1485 OSW-152

953 OSW-153

729 OSW-154

1089 OSW-155

670 OSW-156

163 OSW-157

450 OSW-158

343 OSW-159

546 OSW-161

929 OSW-162

453 OSW-163

419 OSW-164

350 OSW-165

306 OSW-166

1244 OSW-167

251 OSW-168

2174 OSW-169

309 OSW-170

196 OSW-171

322 OSW-172

367 OSW-173

131 OSW-174

353 OSW-175

309 OSW-177

145 OSW-178

141 OSW-179

77 OSW-221

63 OSW-222

0.01

0.516

1176

32 OSW-151

WETLAND IDENTIFICATION NUMBER

LOCATION OF CONTROL STRUCTURE

ROJECT BOUNDARY

HEADWALL CULVERT

DSW/DITCH TOP OF BANK

0 0 0

DE

WE S

OSW)

W-18 0.75 AC. WETLAND EDGE AVG. EL=11.50'

20



0.40 AC.

WETLAND EDGE AVG.

EL=11.33'

OSW-212 0.30 AC.

0.59 AC. WETLAND EDGE AVG.

EL=7.86

0.83 AC. WETLAND EDGE AVG. EL=11.56'

0SW-2

OSW-215 0.26 AC.

POND 2 7.72 AC.

OSW-218 0.43 AC.

____ INVERT=6.0'

INVERT=6.0'

W-24

3.05 AC.

WETLAND EDGE AVG. EL=11.94' NP

1.28 AC. WETLAND

EDGE AVG.

Freshwater Marsh with Shrubs, Brush, and Vines 0.08 Exotic Wetland Hardwoods 0.15 Exotic Wetland Hardwoods 0.73 Exotic Wetland Hardwoods 1.21 **Exotic Wetland Hardwoods** W-11 0.37 Exotic Wetland Hardwoods W-12 5.14 Exotic Wetland Hardwoods 5.10 Exotic Wetland Hardwoods W-13 W-14 0.88 Exotic Wetland Hardwoods 0.43 Exotic Wetland Hardwoods 3.08 Exotic Wetland Hardwoods 0.53 **Exotic Wetland Hardwoods** 0.75 Dog Fennel with Low Marsh Grasses Exotic Wetland Hardwoods W-21 1.28 Exotic Wetland Hardwoods with Salt Bush 2.74 Exotic Wetland Hardwoods 0.45 Exotic Wetland Hardwoods W-23 Exotic Wetland Hardwoods with Salt Bush W-24 3.05 W-24A 0.83 Exotic Wetland Hardwoods W-25 0.40 Exotic Wetland Hardwoods 0.59 Exotic Wetland Hardwoods W-27 1.27 Wetland Hardwood Forests W-29 0.51 Wetland Forested Mixed 1.08 Exotic Wetland Hardwoods 1.31 Exotic Wetland Hardwoods 0.37 Exotic Wetland Hardwoods

38.80 Total

-ALL DITCHES SHOWN AS TOP OF BANK -LIMITS OF ENUMERATED WETLANDS AND DITCHES (OSW) HAVE BEEN APPROVED BY SWFWMD ERP PERMIT #42599.000 DATED: JULY 25, 2016. LOCATION OF APPROXIMATE ACRES OF MANGROVE SWAMP, TIDAL FLATS, AND EXOTIC WETLAND HARDWOODS IN DRAINAGE STRIPS (DS) HAVE NOT BEEN APPROVED BY SWFWMD.

MHHV MHWMSL MLWMLLW -1.55 FEET MEAN LOWER LOW WATER

DATUM NAVD 1988 DATUM CONVERSION:

NAVD '88 + 1.0' = NGVD '29

	0311 31	0.033	11 0.	344 TO4	0.047	171	JJVV 1/J	0.440	1054	0500 270	0.515	701
	OSW-32	0.194	331 09	SW-105	0.118	302	OSW-180	0.254	660	OSW-246A	0.419	1197
	OSW-33	1.946	2793 05	SW-106	0.167	440	OSW-181	0.654	1520	OSW-247	0.066	201
	OSW-34	0.383	948 03	SW-107	0.077	208	OSW-182	0.07	166	OSW-248	0.085	259
	OSW-35	0.093	200 OS	SW-108	0.249	486	OSW-183	0.091	256	OSW-249	0.081	218
-209	OSW-36	0.119	306 OS	SW-109	0.383	676	OSW-184	0.199	436	OSW-249A	0.38	1071
AC.	OSW-37	0.09	249 09	SW-110	0.067	176	OSW-185	0.011	23	OSW-249B	0.144	581
OSW-208 OSW-207	OSW-38	0.041	121 09	SW-111	0.107	261	OSW-186	0.17	377	OSW-250	0.346	684
	OSW-39	0.107	462 09	SW-112	0.263	571	OSW-187	0.39	762	OSW-251	0.204	467
0.33 AC. 0.31 AC.	OSW-40	0.406	881 09	SW-113	0.143	351	OSW-188	0.044	98	OSW-252	0.333	785
	OSW-41	0.209	531 09	SW-114	0.178	431	OSW-189	0.045	73	OSW-253	0.394	622
0SW-206	OSW-42	0.049	117 09	SW-115	0.328	518	OSW-190	0.357	376	OSW-254	0.268	617
-210 0 72 AC	OSW-43	0.061	198 09	SW-116	1.764	2380	OSW-191	0.124	298	OSW-255	0.204	507
AC.	OSW-44	0.4	828 09	SW-117	0.514	776	OSW-192	0.528	912	OSW-256	0.119	302
	OSW-45	0.261	503 OS	SW-118	0.028	34 (OSW-193	0.66	1165	OSW-257	0.268	556
OSW-198A OSW-198B	OSW-46	0.064	151 09	SW-119	0.235	376	OSW-194	0.826	1155	OSW-258	0.153	318
0.70 10	OSW-47	0.182	423 05	SW-120	0.023	36 (OSW-195	1.015	1349	OSW-259	0.053	120
0.36 AC. 0.09 AC.	OSW-48	0.035	58 OS	SW-121	0.236	426 (OSW-196	0.604	1075	OSW-260	0.367	781
to be the Parish the company of the control of the	OSW-49	0.24	507 OS	SW-122	0.264	416	OSW-197	0.582	1369	OSW-261	0.16	350
7—198	OSW-50	0.101	213 05	SW-123	0.449	1085	OSW-198	0.194	373	OSW-262	0.147	294
AC.	OSW-51	0.021	35 OS	SW-124	0.011	29 (OSW-198a	0.369	937	OSW-263	0.118	292
	OSW-52	0.505	1068 OS	SW-125	0.454	971	OSW-198b	0.096	290	OSW-264	0.146	280
	OSW-53	0.316	593 OS	SW-126	0.011	26 (OSW-199	0.327	786	OSW-265	0.303	594
	OSW-54	0.006	17 09	SW-127	0.866	2162	OSW-200	0.464	769	OSW-266	0.193	385
	OSW-55	0.692	1412 05	SW-128	0.561	1157	OSW-201	0.247	605	OSW-267	0.816	1509
V-203 OSW-204 OSW-205	OSW-56	0.134	221 05	SW-129	0.533	1336	OSW-202	0.233	463	OSW-268	1.761	3821
05W-203 05W-204 0.20 AC. 0.16 AC.	OSW-57	0.294	547 05	SW-130	0.725	1501	OSW-203	0.362	705	OSW-268A	0.19	530
0.20 40.	OSW-58	0.497	802 05	SW-131	0.733	1596	OSW-204	0.206	446	OSW-269	0.22	510
	OSW-59	0.595	911 05	SW-132	0.211	467 (OSW-205	0.167	334	OSW-270	0.221	482
to the second section of the section of the second section of the section of the second section of the sect	OSW-60	0.331	600 09	SW-133	0.151	414 (OSW-206	0.722	1385	OSW-271	0.172	332
	OSW-61	0.157	465 05	SW-134	0.294	606	OSW-207	0.319	563	OSW-272	0.539	1128
	OSW-62	0.057	193 09	SW-135	0.18	447 (OSW-208	0.335	644	OSW-273	0.028	72
	OSW-63	0.208	502 05	SW-136	0.044	111	OSW-209	0.043	89	OSW-274	0.153	333
	OSW-64	0.283	847 05	SW-137	0.848	1877	OSW-210	0.23	523	OSW-275	0.271	648
	OSW-65	0.18	402 05	SW-138	0.089	255 (OSW-211	0.232	549	OSW-276	0.397	758
	OSW-66	0.228	551 05	SW-139	0.045	127	OSW-212	0.307	705	OSW-277	0.562	1256
OTA DAY TIDAL AMBILITUDE TABLE	OSW-67	0.195	426 05	SW-140	0.042	112	OSW-213	0.215	328	OSW-278	0.283	636
OTA BAY TIDAL AMPLITUDE TABLE	OSW-68	0.104		SW-141	0.282		OSW-214	0.209		OSW-SO1	0.233	365
	OSW-69	0.363		SW-142	0.251		OSW-215	0.265		OSW-SO2	0.326	605
+0.54 FEET MEAN HIGHER HIGH WATER	OSW-70	0.144		SW-143	0.215		OSW-216	0.393		OSW-SO3	0.285	448
+0.25 FEET MEAN HIGH WATER	OSW-71	0.146		SW-144	0.405	7.3.	OSW-217	0.081		OSW-SO4	0.825	1386
-0.46 FEET MEAN SEA LEVEL	OSW-72	0.102		SW-145	0.458		OSW-218	0.433	689		27 (42.47)	
-1.21 FEET MEAN LOW WATER	OSW-73	0.125		SW-146	0.197	1000	OSW-219	0.493	741			
	OSW-74	0.013		SW-147	0.856		OSW-220	0.446	882			
-1.55 FEET MEAN LOWER LOW WATER	10 × 5 × 5 × 5	9.112.1	Call	A STATE OF THE STA	G 60		Transport of A					

B RR WP

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135 OSW-79

1497 OSW-80

366 OSW-81

265 OSW-82

265 OSW-83

408 OSW-84

357 OSW-85

37 OSW-86

383 OSW-87

1876 OSW-88

108 OSW-89

147 OSW-90

249 OSW-91

314 OSW-92

330 OSW-93

664 OSW-94

342 OSW-95

639 OSW-96

1554 OSW-97

102 OSW-98

602 OSW-99

1043 OSW-100

479 OSW-101

270 OSW-102

723 OSW-103

77 OSW-104

42 OSW-88A

82 OSW-78

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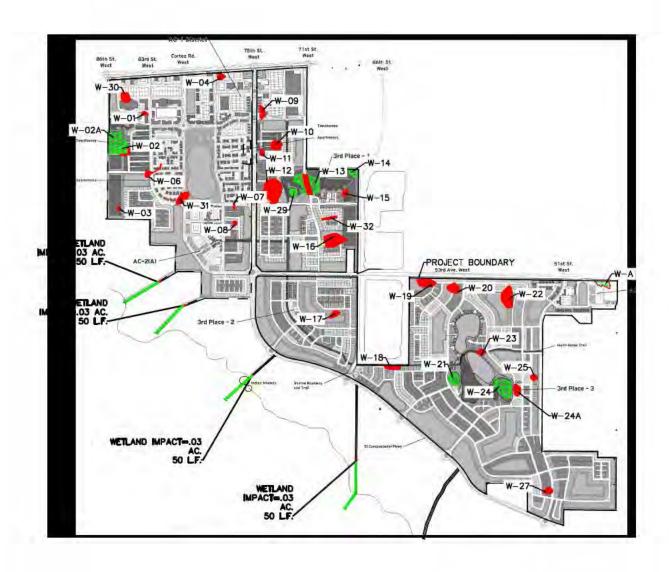
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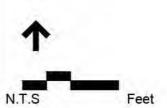
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CROS





LEGEND

PROPOSED PRESERVED, ENHANCED, OR RESTORED WETLAND



PROPOSED PERMANENT WETLAND

IMPACT

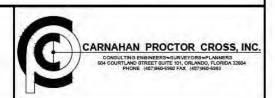
Date: December 13, 2016

Revised:

SAJ 2015-03799

Sheet 6 Master Development Plan with Proposed Wetland Impacts

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



Wetland					
or Drainage		Erriatina Anna			Functional
Strip ID	FLUCFCS	Existing Area (Ac.)	Impact Area (Ac.) Impact Category		Loss
W-01	619	0.20	0.20	Road Impact/Commercial Dev.	0.05
W-03	619	0.13	0.13 Lake Impact		0.03
W-04	619	0.46	0.46	Road Impact/Commercial Dev.	0.12
W-06	619	0.52	0.52	Road Impact/Lake/Residential Dev.	0.12
W-07	619	0.08	0.08	Road Impact/Residential Dev.	0.01
W-08	619	0.15	0.15	Residential Development	0.03
W-09	619	0.73	0.73	Road Impact/Commercial Dev.	0.16
W-10	619	1.21	1.21	Road Impact/Residential Dev.	0.36
W-11	619	0.37	0.37	Road Impact/Residential Dev.	0.09
W-12	619	5.14	5.14	Road Impact/Lake/Residential Dev.	1.88
W-13	619	5.10	1.35	Road Impact	0.41
W-15	619	0.43	0.43	Road Impact/Residential Dev.	0.09
W-16	619	3.08	3.08	Road Impact/Lake/Residential Dev.	0.67
W-17	619	0.53	0.53	Road Impact/Lake/Residential Dev.	0.12
W-18	6415	0.75	0.75	Residential Development	0.25
W-19	619	1.56	1.56	Road Impact/Residential Dev./Lake/Greenspace	0.44
W-20	619	1.24	1.24	Road Impact/Residential Dev.	0.27
W-22	619	2.74	2.74	Road Impact/Lake/Residential Dev.	0.46
W-23	619	0.45	0.45	Road Impact/Residential Dev.	0.15
W-24A	619	0.83	0.83	Road Impact/Residential Dev.	0.22
W-25	619	0.40	0.40	Road Impact/Residential Dev.	0.13
W-27	619	0.59	0.59	Road Impact/Residential Dev.	0.24
W-30	619	1.08	1.08	Road Impact/Commercial Dev.	0.25
W-31	619	1.31	1.31	Road Impact/Residential Dev./Greenspace	0.26
W-32	619	0.37	0.37	Road Impact/Residential Dev.	0.06
W-A	610	1.10	0.00	See SWFWMD Permit# 41393.000/USACEPermit# SAJ- 2013-01265 (NW-CMW)	0.00
Wetland Totals		30.54	25.70		6.88

Proposed Drainage Strip Impacts							
DS-1	619	0.09	0.05	Energy Dissipater	0.03		
DS-2	619	0.17	0.05	Energy Dissipater	0.03		
DS-3	619	0.03	0.02	Energy Dissipater	0.02		
DS-4	619	0.14	0.05	Energy Dissipater	0.03		
Drainage Strip Totals		0.43	0.17		0.09		

Revised:

SAJ 2015-03799
Sheet 7
List of Proposed Permanent Wetland Impacts with Functional Loss Scores
(UMAM)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



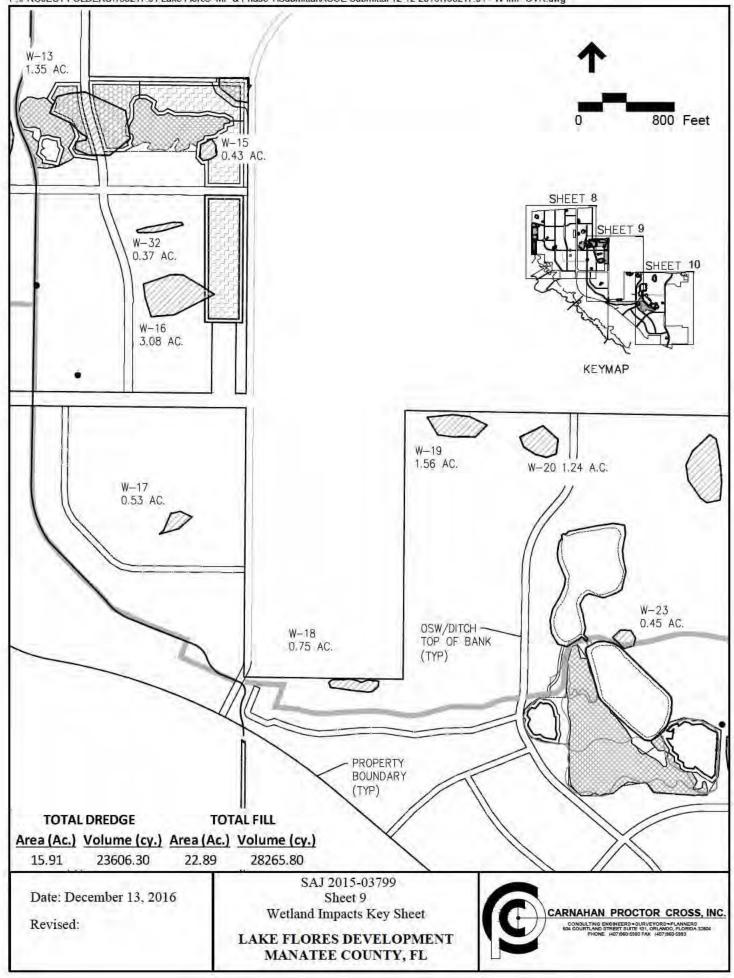
Wetland Impacts Key Sheet

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL

Revised:

CARNAHAN PROCTOR CROSS, INC.

CONSULTING ENGINEERS *SURVEYORS *PLANNERS 504 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804 PHONE (407)960-580 FAX (407)960-5883



Revised:

SAJ 2015-03799 Sheet 10 Wetland Impacts Key Sheet

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804 PHONE (407)950-5980 FAX (407)950-5983

Revised:

SAJ 2015-03799 Sheet 13

Station

Plan and Section Views of Proposed Impact to Wetland 04 (W-04)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



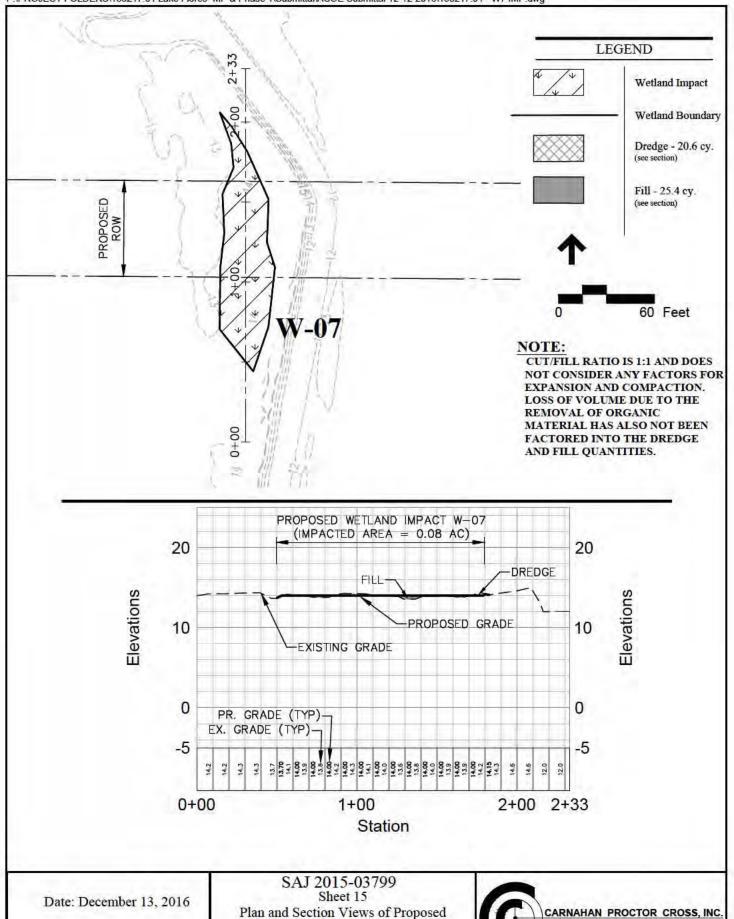
CARNAHAN PROCTOR CROSS, INC.

COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804 PHONE (407)960-5980 FAX (407)960-5983

Impact to Wetland 06 (W-06)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL

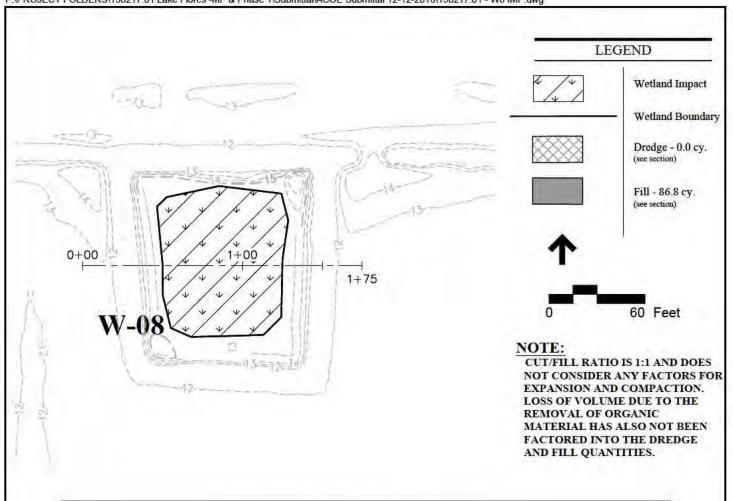
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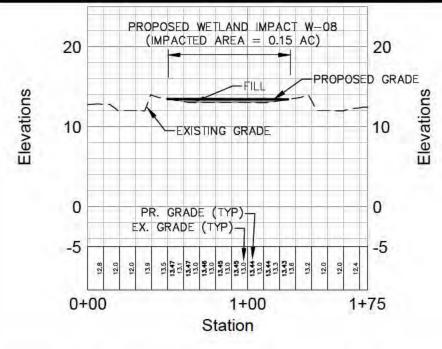


Impact to Wetland 07 (W-07)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL

Revised:





Revised:

SAJ 2015-03799 Sheet 16

Plan and Section Views of Proposed Impact to Wetland 08 (W-08)

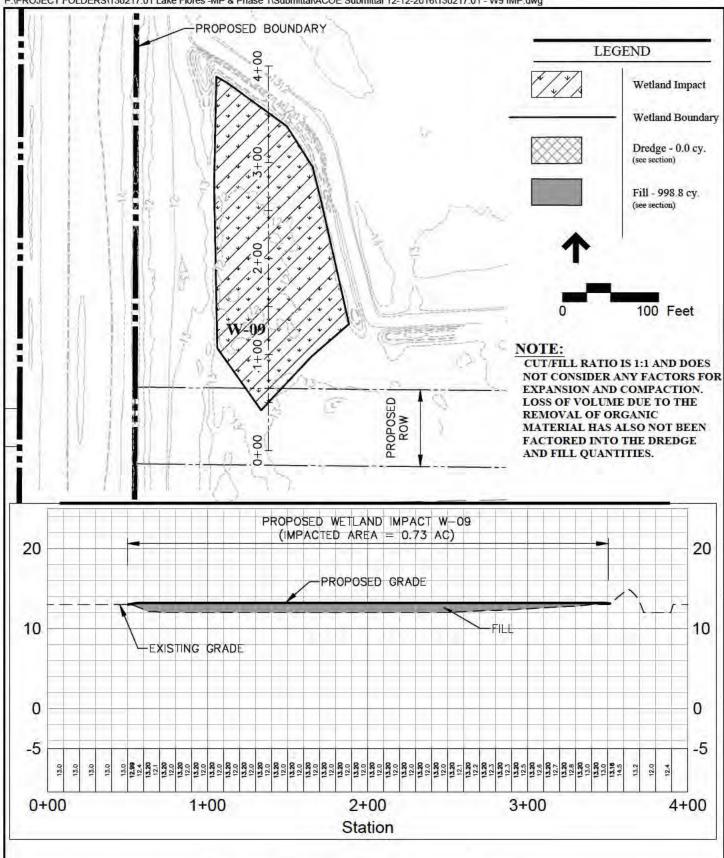
LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

CONSULTING ENGINEERS + SURVEYORS + PLANNERS

CONSULTING ENGINEERS SURVEYORS PLANNERS 04 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804 PHONE (407)960-5980 FAX (407)960-5983



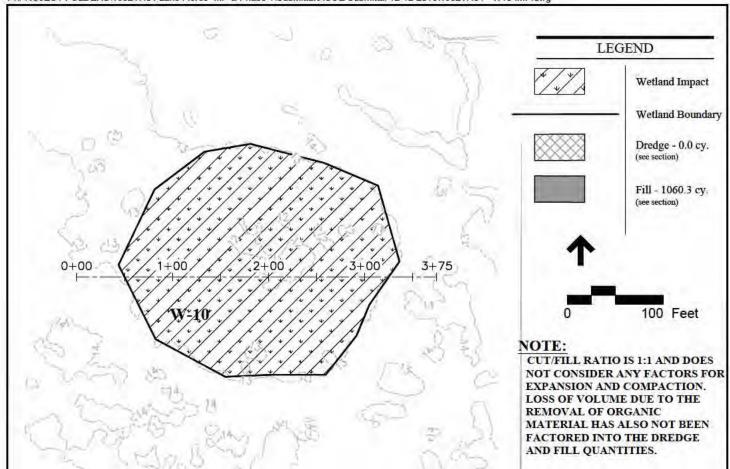
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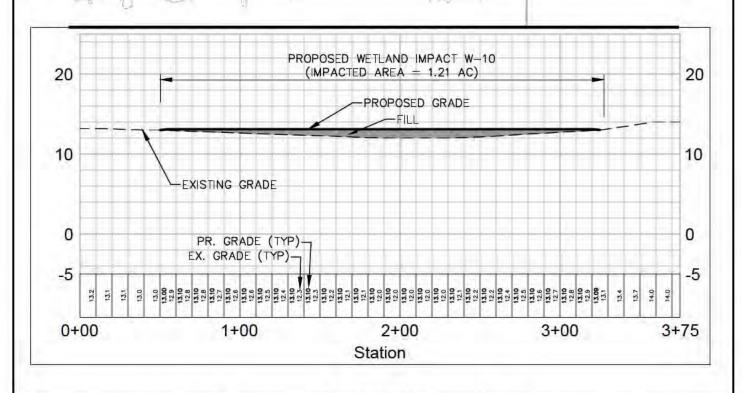
SAJ 2015-03799 Sheet 17

Plan and Section Views of Proposed Impact to Wetland 09 (W-09)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL







Revised:

SAJ 2015-03799 Sheet 18

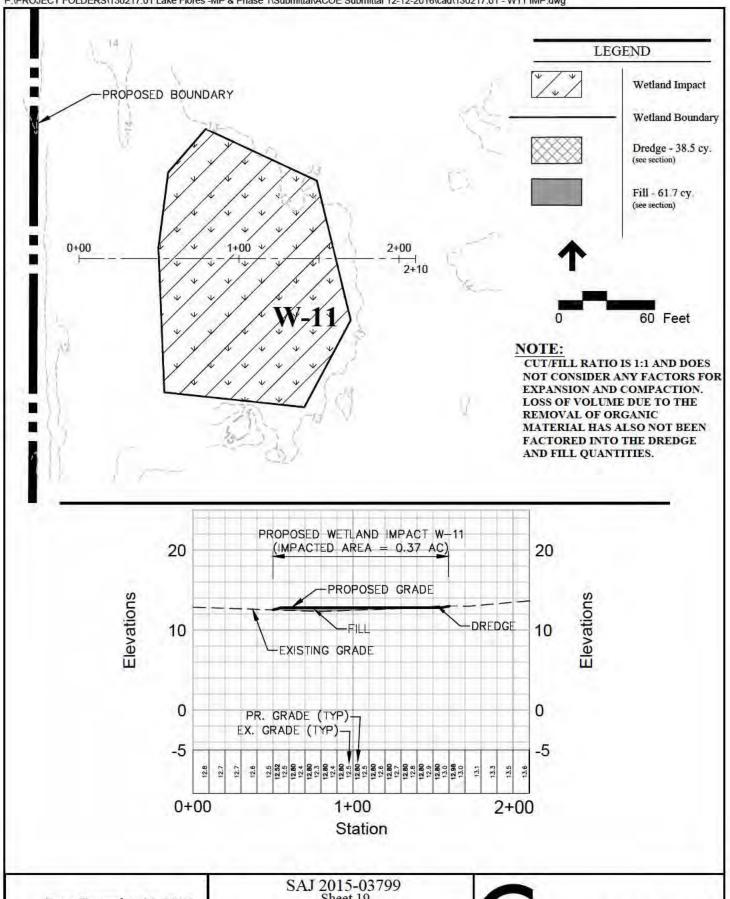
Plan and Section Views of Proposed Impact to Wetland 10 (W-10)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

CONSULTING ENGINEERS + SURVEYORS + PLANNERS 04 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804 PHONE (407)960-5980 FAX (407)960-5983



Revised:

Sheet 19

Plan and Section Views of Proposed Impact to Wetland 11 (W-11)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

Revised:

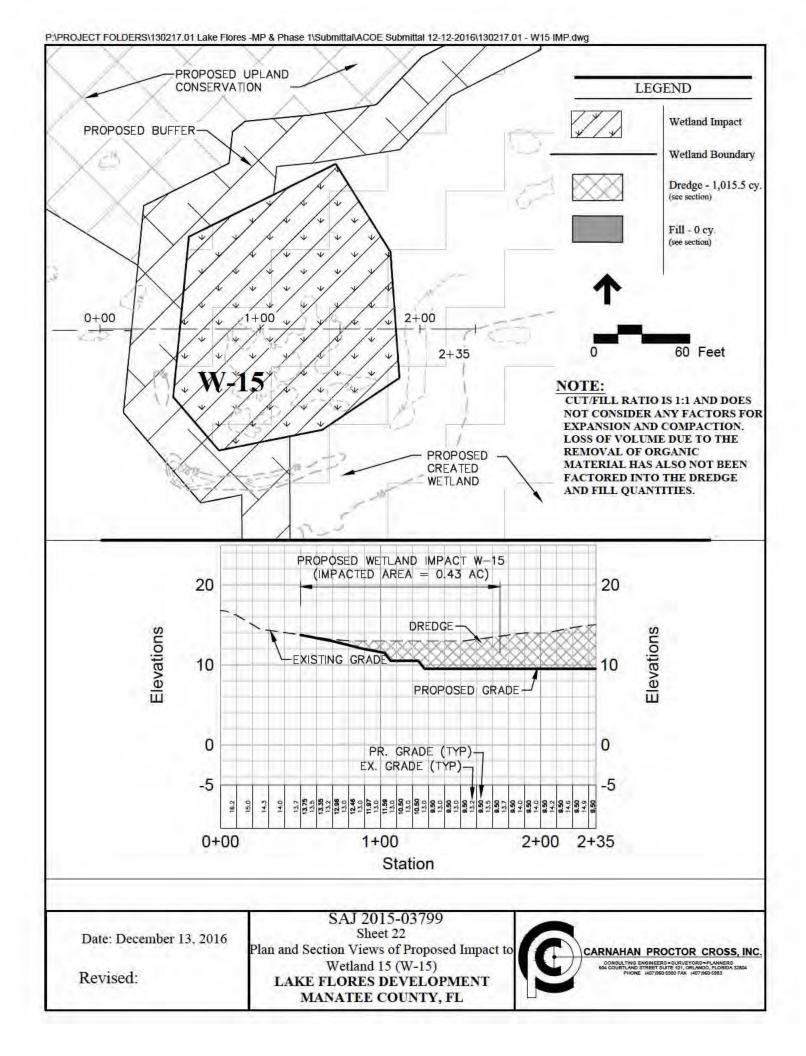
SAJ 2015-03799 Sheet 21

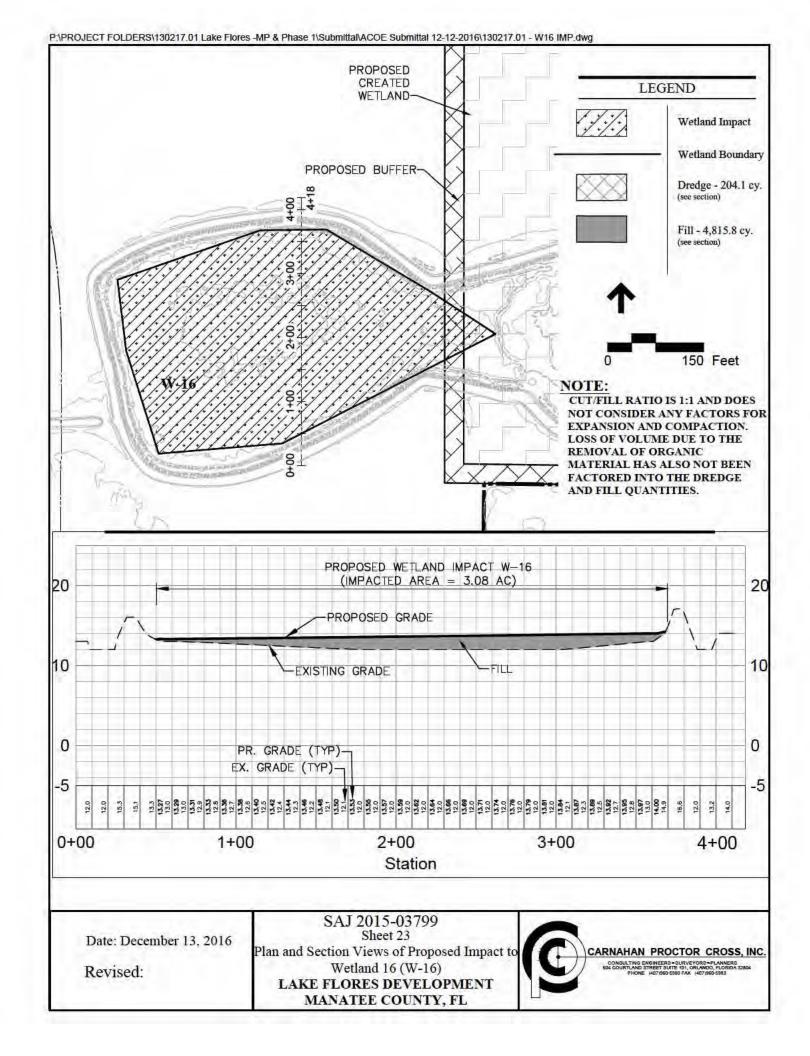
Plan and Section Views of Proposed Impact to Wetland 13 (W-13)

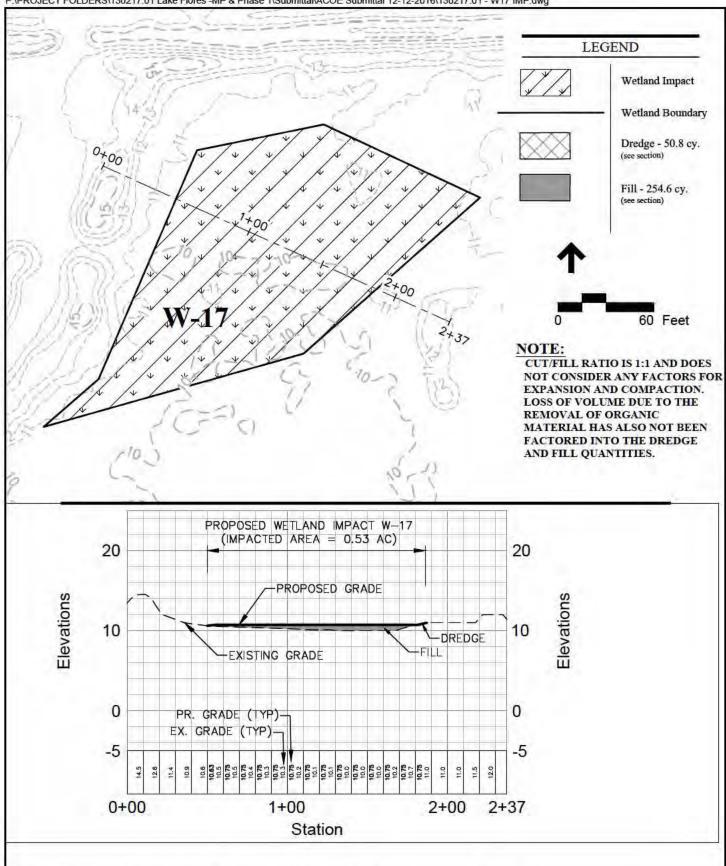
LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC. CONSULTING ENGINEERS SURVEYORS PLANNERS 504 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804







Revised:

SAJ 2015-03799 Sheet 24

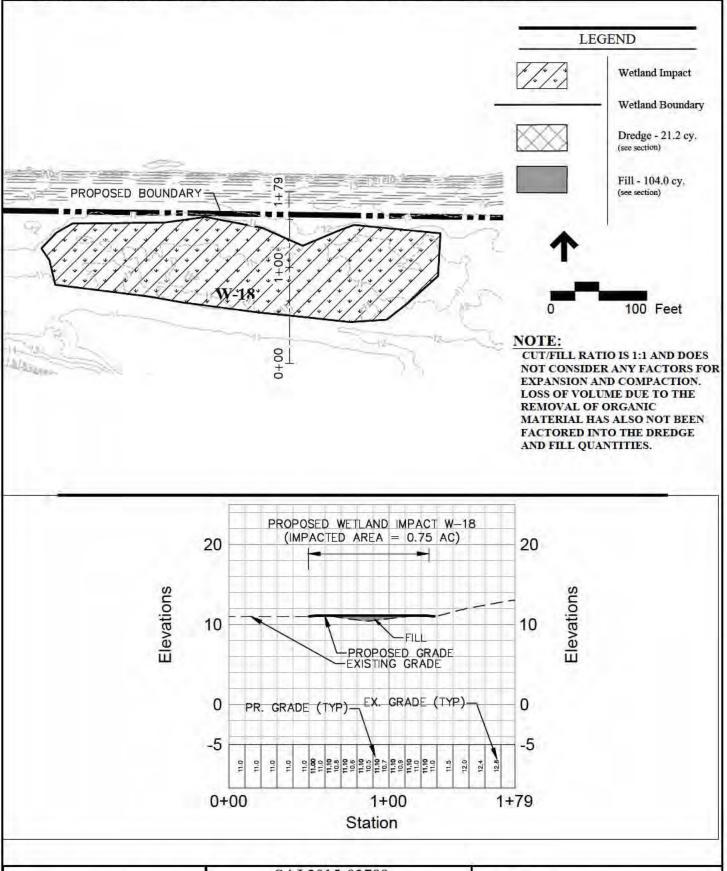
Plan and Section Views of Proposed Impact to Wetland 17 (W-17)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

CONSULTING ENGINEERS + SURVEYORS - PLANNERS



Revised:

SAJ 2015-03799 Sheet 25

Plan and Section Views of Proposed Impact to

Wetland 18 (W-18)

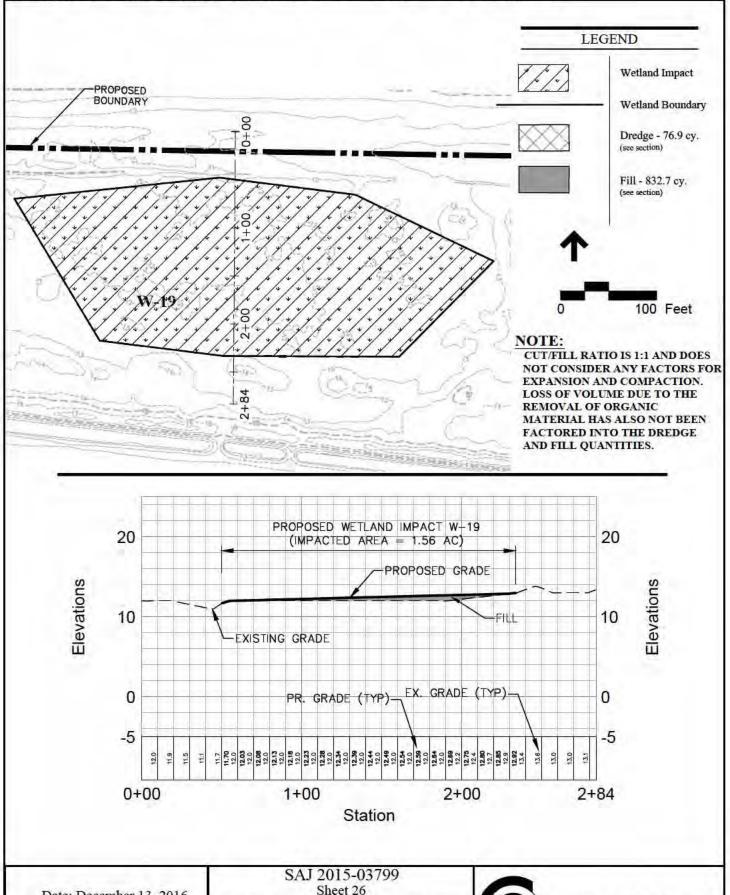
LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

CONSULTING ENGINEERS + SURVEYORS - PLANNERS

CONSULTING ENGINEERS SURVEYORS PLANNERS 04 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 2280-PHONE (407)960-5980 FAX (407)960-5983



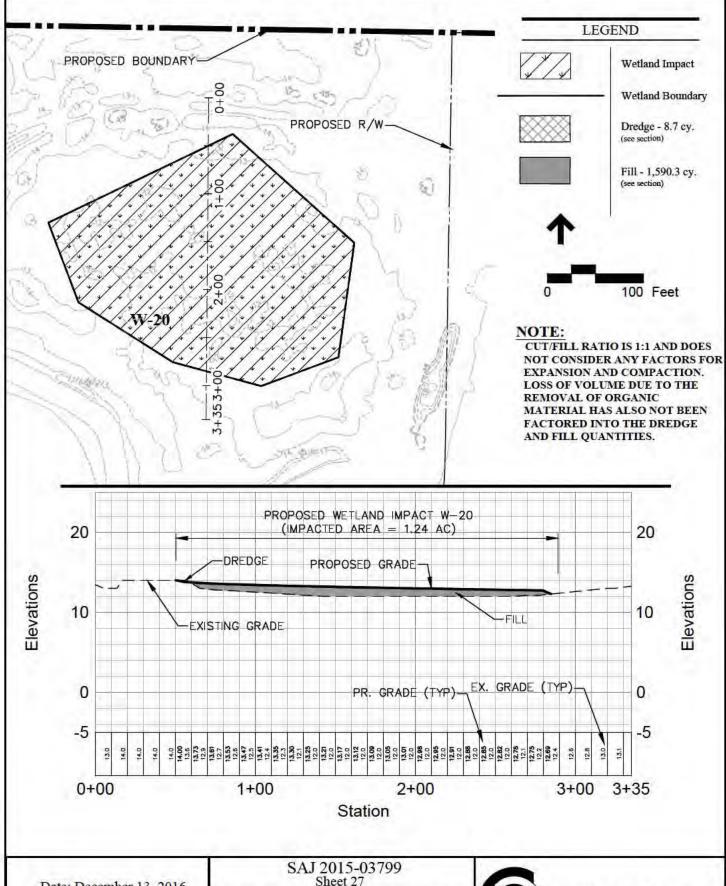
Revised:

Sheet 26 Plan and Section Views of Proposed Impact to Wetland 19 (W-19)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.



Revised:

Sheet 27

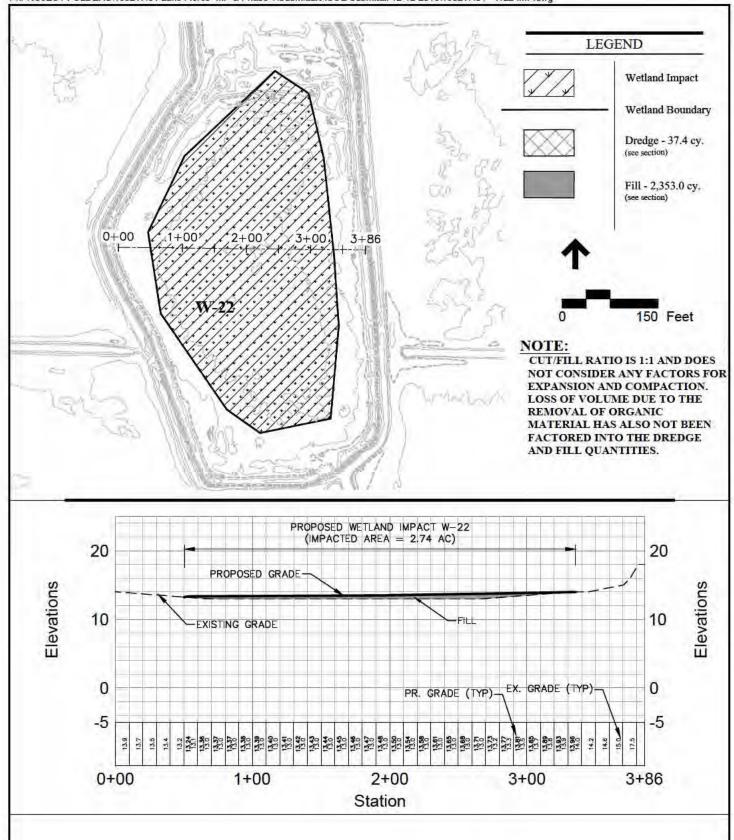
Plan and Section Views of Proposed Impact to Wetland 20 (W-20)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

CONSULTING ENGINEERS + SURVEYORS - PLANNERS 504 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804



Revised:

SAJ 2015-03799 Sheet 28

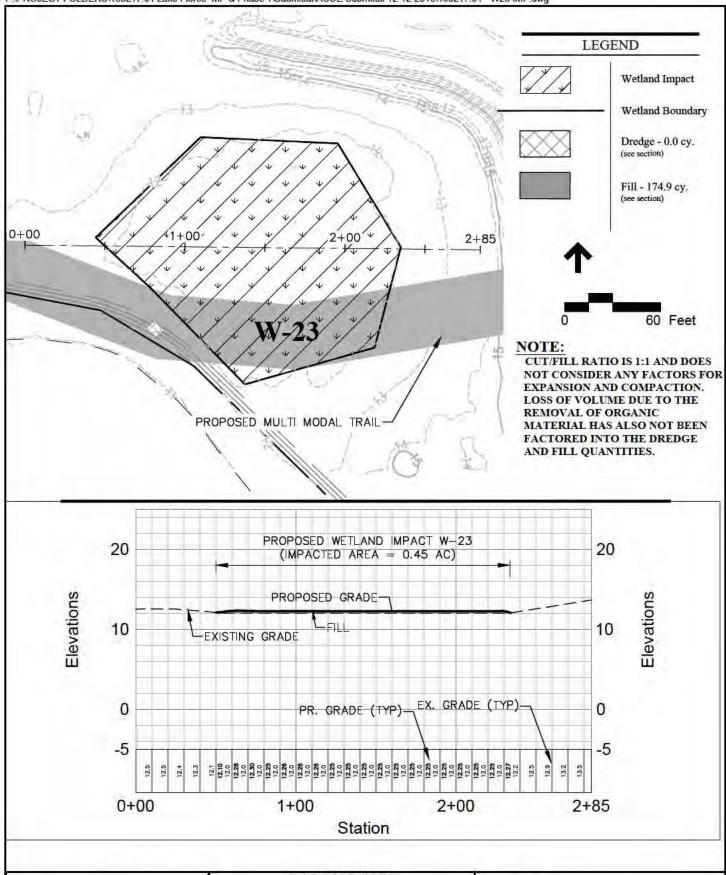
Plan and Section Views of Proposed Impact to

Wetland 22 (W-22)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.



Revised:

SAJ 2015-03799 Sheet 29

Plan and Section Views of Proposed Impact to Wetland 23 (W-23)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

4 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 3280 PHONE (407)960-5980 FAX (407)960-5983

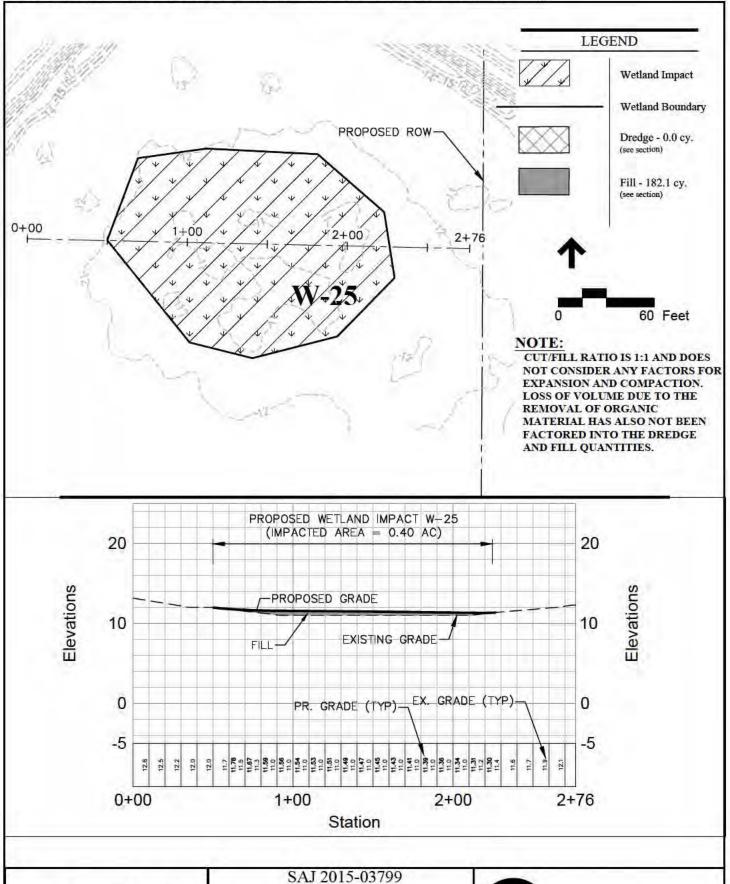
Revised:

Plan and Section Views of Proposed Impact to Wetland 24A (W-24A)
LAKE FLORES DEVELOPMENT

MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.



Revised:

SAJ 2015-03799 Sheet 31 ection Views of Proposed Impact

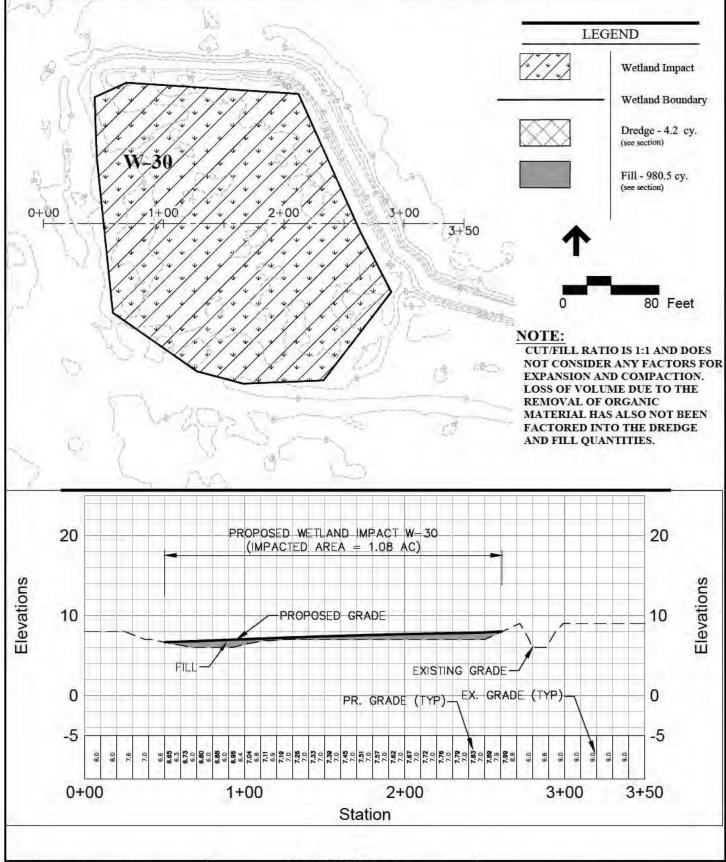
Plan and Section Views of Proposed Impact to Wetland 25 (W-25)

LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

4 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 3280 PHONE (407)960-5980 FAX (407)960-5983



Revised:

SAJ 2015-03799 Sheet 33

Plan and Section Views of Proposed Impact to Wetland 30 (W-30)

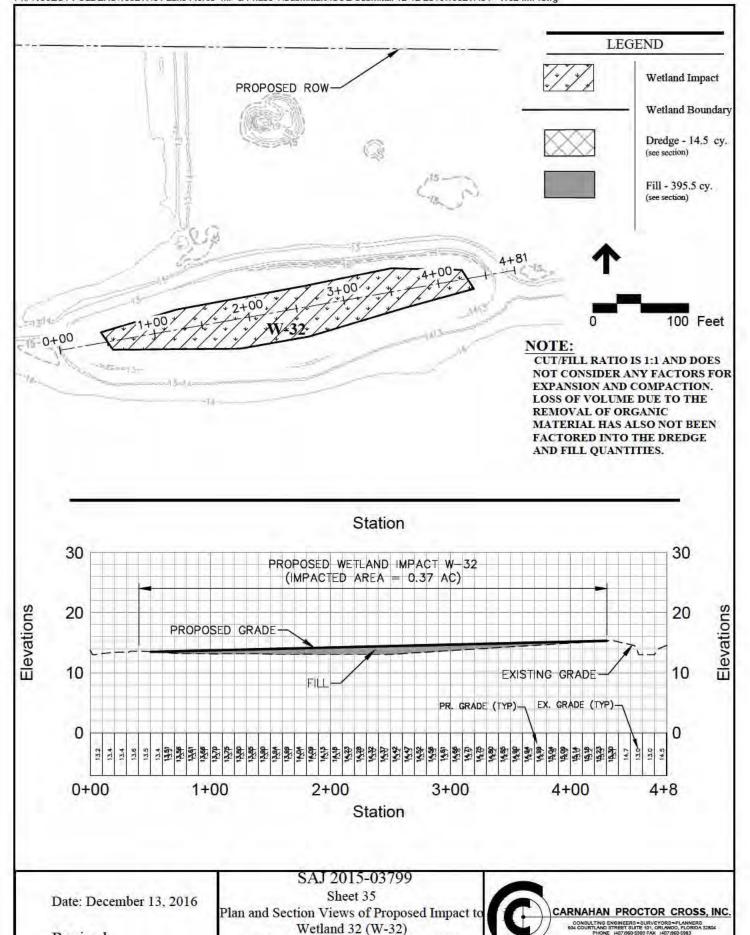
LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

CONSULTING ENGINEERS * SURVEYORS * PLANNERS

4 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 3280 PHONE (407)960-5980 FAX (407)960-5983



LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL

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Revised:

SAJ 2015-03799 Sheet 37

PROPOSED TIDAL FLAT PRESERVATION (0.33 AC)

Master Mitigation Plan

MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.