

Date: December 13, 2016

SAJ 2015-03799

Sheet 1
General Location Map

Revised:

**LAKE FLORES DEVELOPMENT
MANATEE COUNTY, FL**



CARNAHAN PROCTOR CROSS, INC.
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
PHONE (407)860-5360 FAX (407)860-5363



FLUCFCS Codes					
Codes	Description	Acres			
140	Commercial	0.0	437	Australian Pine	14.3
175	Government	0.0	438	Mixed Hardwoods	5.3
180	Recreational	10.6	510	Streams and Waterways	3.3
200	Agriculture	987.4	530	Reservoirs	18.9
414	Pine Mesic Oak	18.0	610	Wetland Hardwood Forested	2.2
4141	Pine Mesic Oak (Altered)	13.1	612	Mangrove Swamps	1.8
422	Brazilian Pepper	143.0	619	Exotic Wetland Hardwoods	29.5
424	Melaleuca	0.9	6191	Exotic Wetland Hardwoods w/ Salt Brush	4.3
425	Temperate Hardwood	6.1	630	Wetland Forested Mixed	0.5
4251	Temperate Hardwood (Altered)	4.7	6415	Dog Fennel and Low Marsh Grasses	0.7
4341	Hardwood Conifer Mixed (Altered)	6.7	6417	Freshwater Marsh /Shrubs, Brush, and Vines	2.2
			651	Tidal Flats	0.9
			Total Acreage:		1274.5



NTS Feet

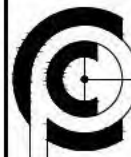
Date: December 13, 2016

Revised:

SAJ 2015-03799

Sheet 2
Existing Vegetation and Land Use Map

LAKE FLORES DEVELOPMENT
MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.
CONSULTING ENGINEERS-SURVEYORS-PLANNERS
604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
PHONE (407)860-5380 FAX (407)860-5383

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

Table with 4 columns: Wetland ID #, Acres, Code Number, Type. Lists various wetland types like Exotic Wetland Hardwoods, Freshwater Marsh with Shrubs, Brush, and Vines, etc.

OTHER SURFACE WATER (OSW) TABLE

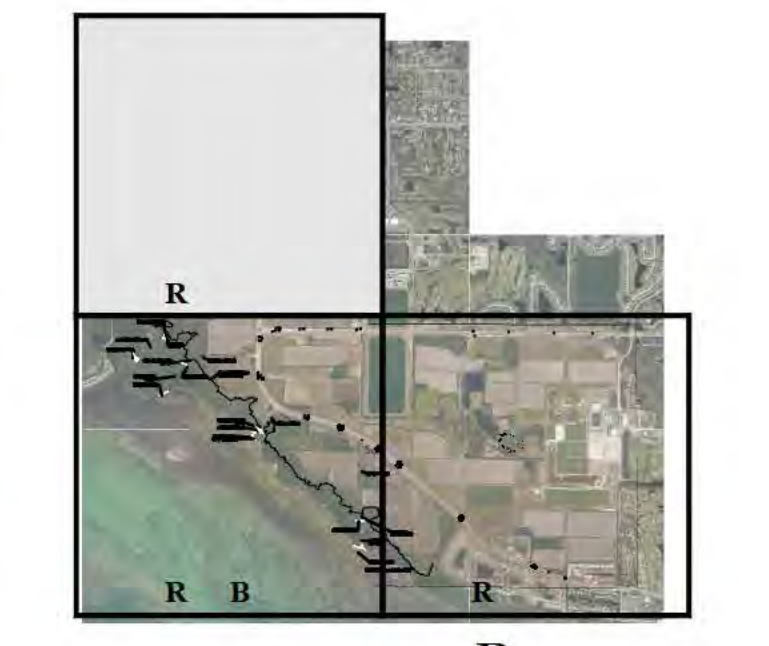
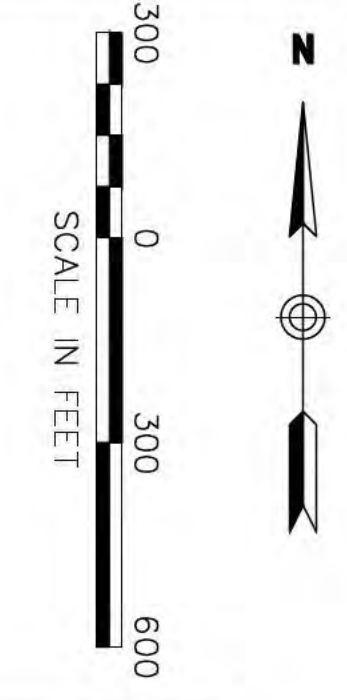
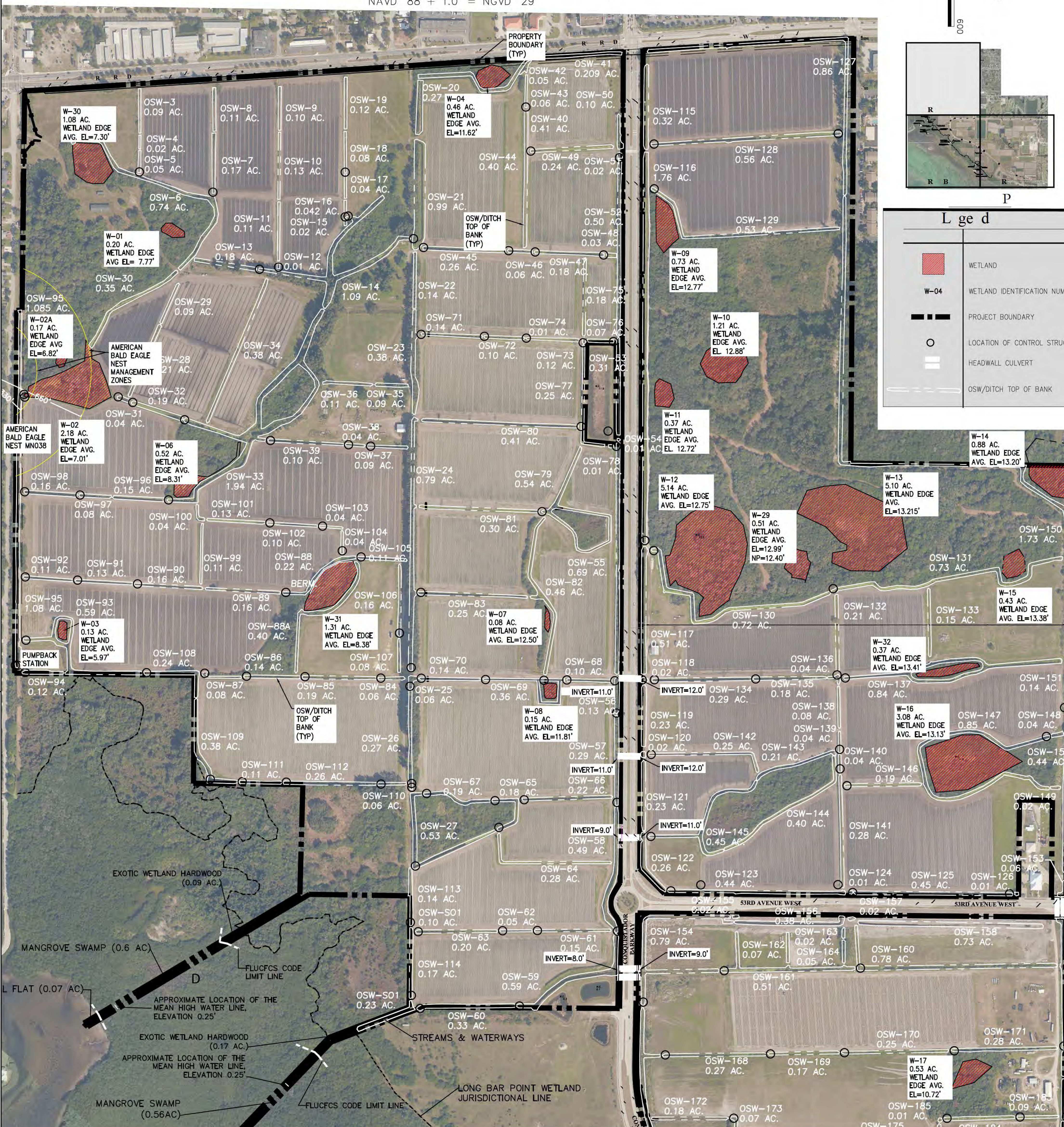
Summary table with 2 columns: Total Acreage (AC), Total Length (LF). Values: 88.875, 180,860.

Main OSW table with 5 columns: OSW ID #s, AREA (AC), LENGTH (LF). Lists individual OSW features and their measurements.

B R R W P P table with 4 columns: Point ID#, Acres, Code Number, Description. Lists points 1, 2, and 3.

SARASOTA BAY TIDAL AMPLITUDE TABLE. MHHW +0.54 FEET MEAN HIGHER HIGH WATER, MHW +0.25 FEET MEAN HIGH WATER, MSL -0.46 FEET MEAN SEA LEVEL, MLW -1.21 FEET MEAN LOW WATER, MLLW -1.55 FEET MEAN LOWER LOW WATER. DATUM NAVD 1988. DATUM CONVERSION: NAVD '88 + 1.0' = NGVD '29

NOTE: -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.



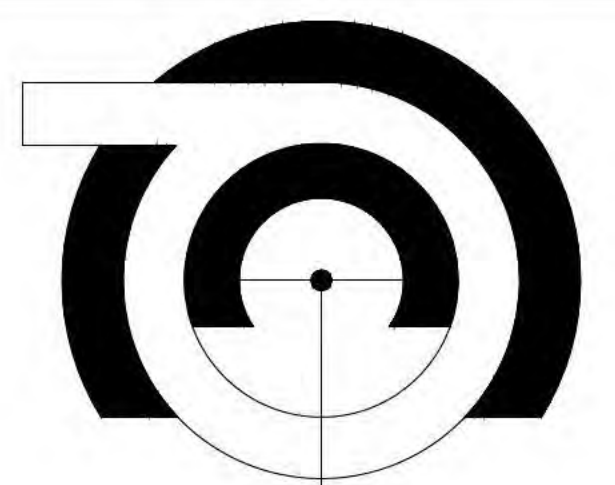
Legend for the map, including symbols for Wetland, Wetland Identification Number, Project Boundary, Location of Control Structure, Headwall Culvert, and OSW/Ditch Top of Bank.

December 3 20 16

SA 20 5 03799

Revised

Sheet DE INEA ION O WE ANDS AND O HER SUR ACE WA ERS (OSW) LAKE FLORES DEVELOPMENT MANATEE COUNTY



CARNAHAN PROCTOR CROSS, INC. CONSULTING ENGINEERS - SURVEYORS - PLANNERS 604 COURTLAND STREET SUITE 101 ORLANDO, FLORIDA 32804 PHONE: (407)960-9890 FAX: (407)960-9883

Revised

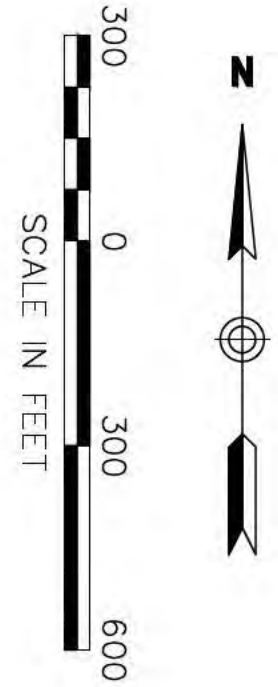
December 3 20 16

NOTE: -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.

SARASOTA BAY TIDAL AMPLITUDE TABLE

Table with 2 columns: Elevation (feet) and Description (e.g., MHHW +0.54 FEET MEAN HIGHER HIGH WATER, MHW +0.25 FEET MEAN HIGH WATER, MSL -0.46 FEET MEAN SEA LEVEL, MLW -1.21 FEET MEAN LOW WATER, MLLW -1.55 FEET MEAN LOWER LOW WATER). Includes DATUM NAVD 1988 and DATUM CONVERSION: NAVD '88 + 1.0' = NGVD '29.

BRWPP table with columns: Pond ID#, Area, Code, and Description. Includes Pond 1 (North), Pond 2 (South), and Note.

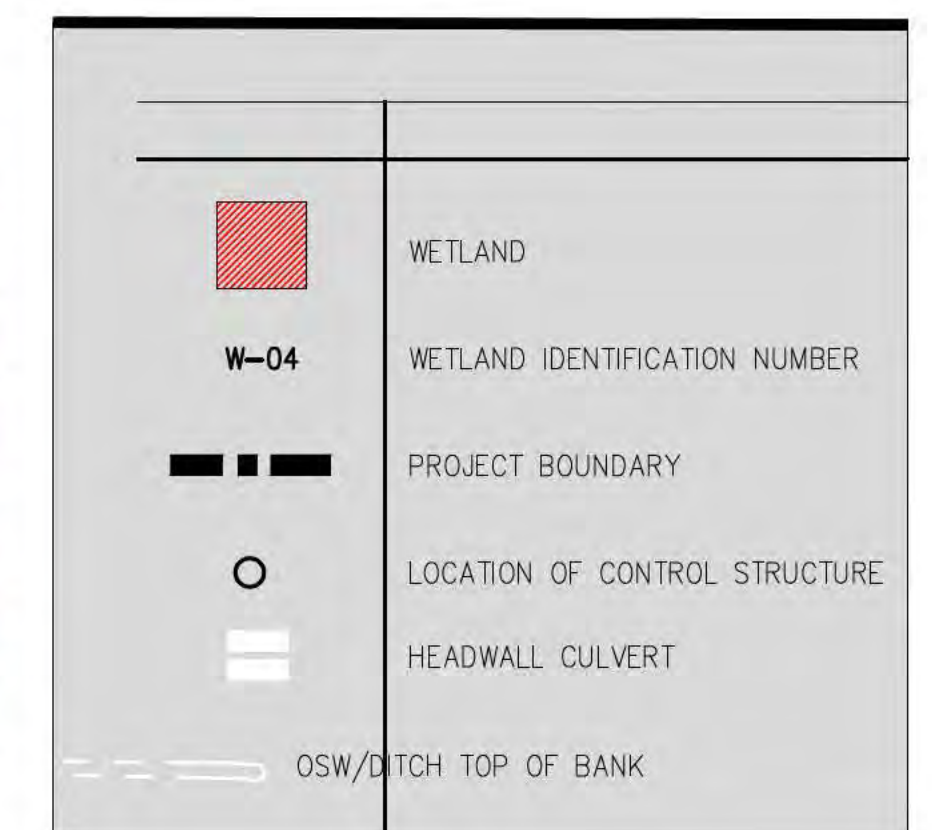
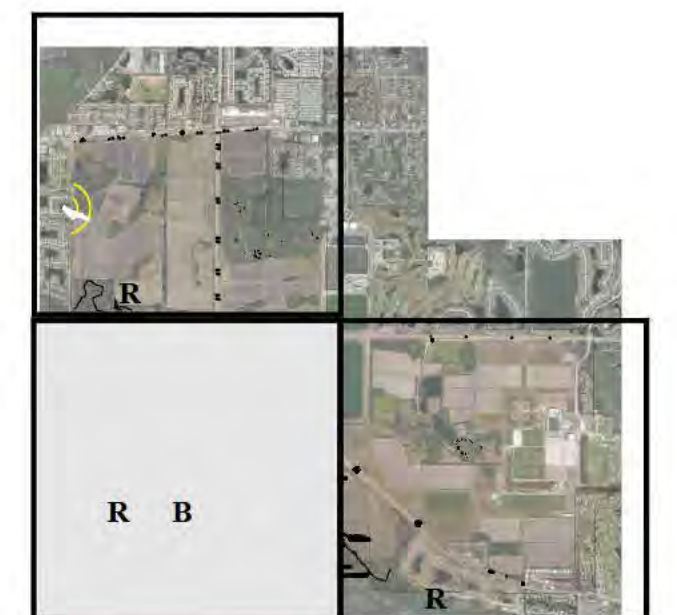
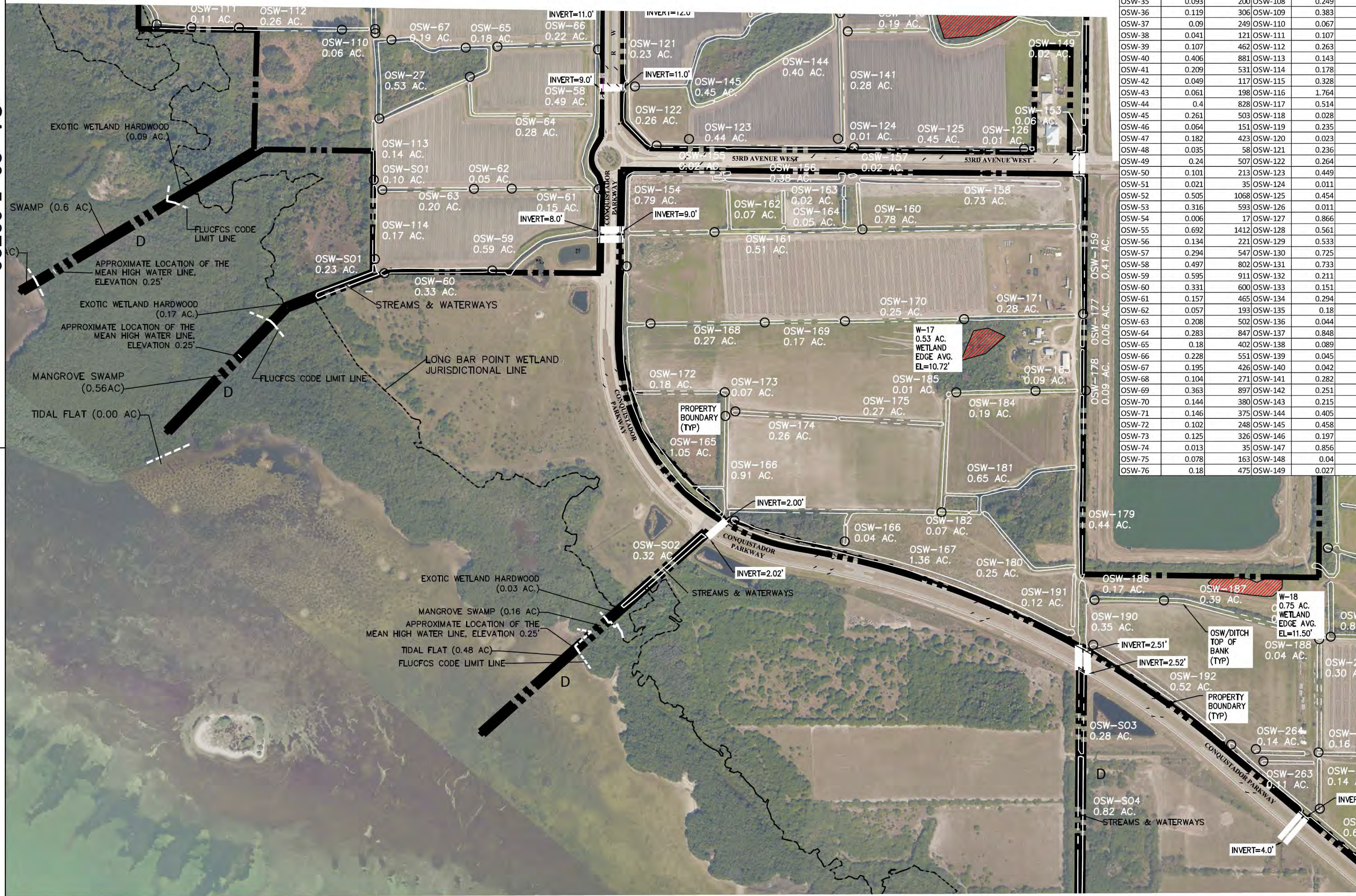


WETLAND ACREAGES AND LAND USE CODES (FLUCFCS) LAKE FLORES DEVELOPMENT, MANATEE COUNTY, FL

Table with 4 columns: Wetland ID #, Acres, Code Number, and Type. Lists various wetland types like Exotic Wetland Hardwoods, Freshwater Marsh with Shrubs, Brush, and Vines, Dog Fennel with Low Marsh Grasses, Wetland Forested Mixed, etc. Total Acres: 38.80.

O HER SURFACE WATER (O W ID TABLE

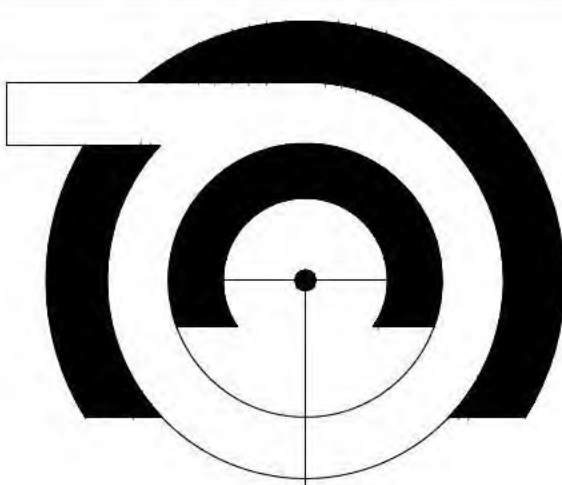
Large table with columns: OSW ID #s, AREA (AC), LENGTH (LF), OSW ID #s, AREA (AC), LENGTH (LF), OSW ID #s, AREA (AC), LENGTH (LF), OSW ID #s, AREA (AC), LENGTH (LF). Total Area: 88.875, Total Length: 180,860.



SA 20 5-03799

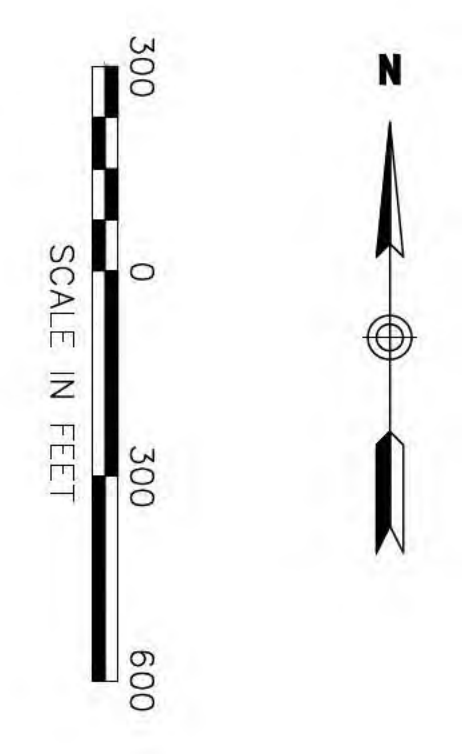
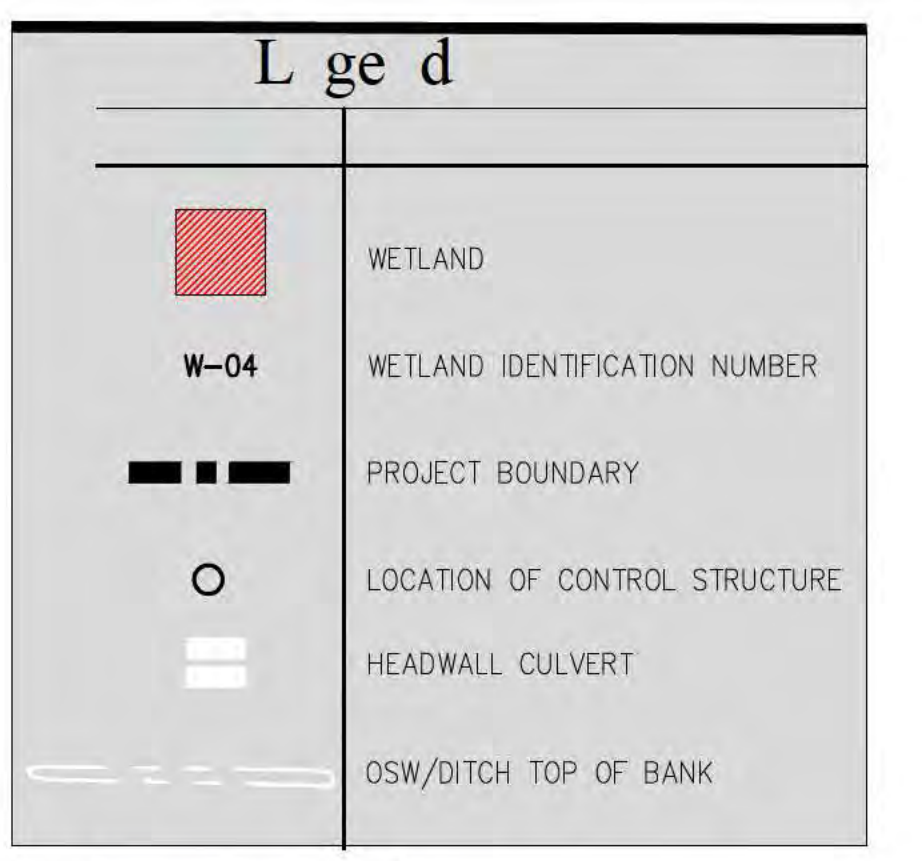
Sheet 4

DE INEA ION O WE ANDS AND O HER SUR ACE WA ERS (OSW) LAKE ORES DEVE OMEN MANA EE COUN

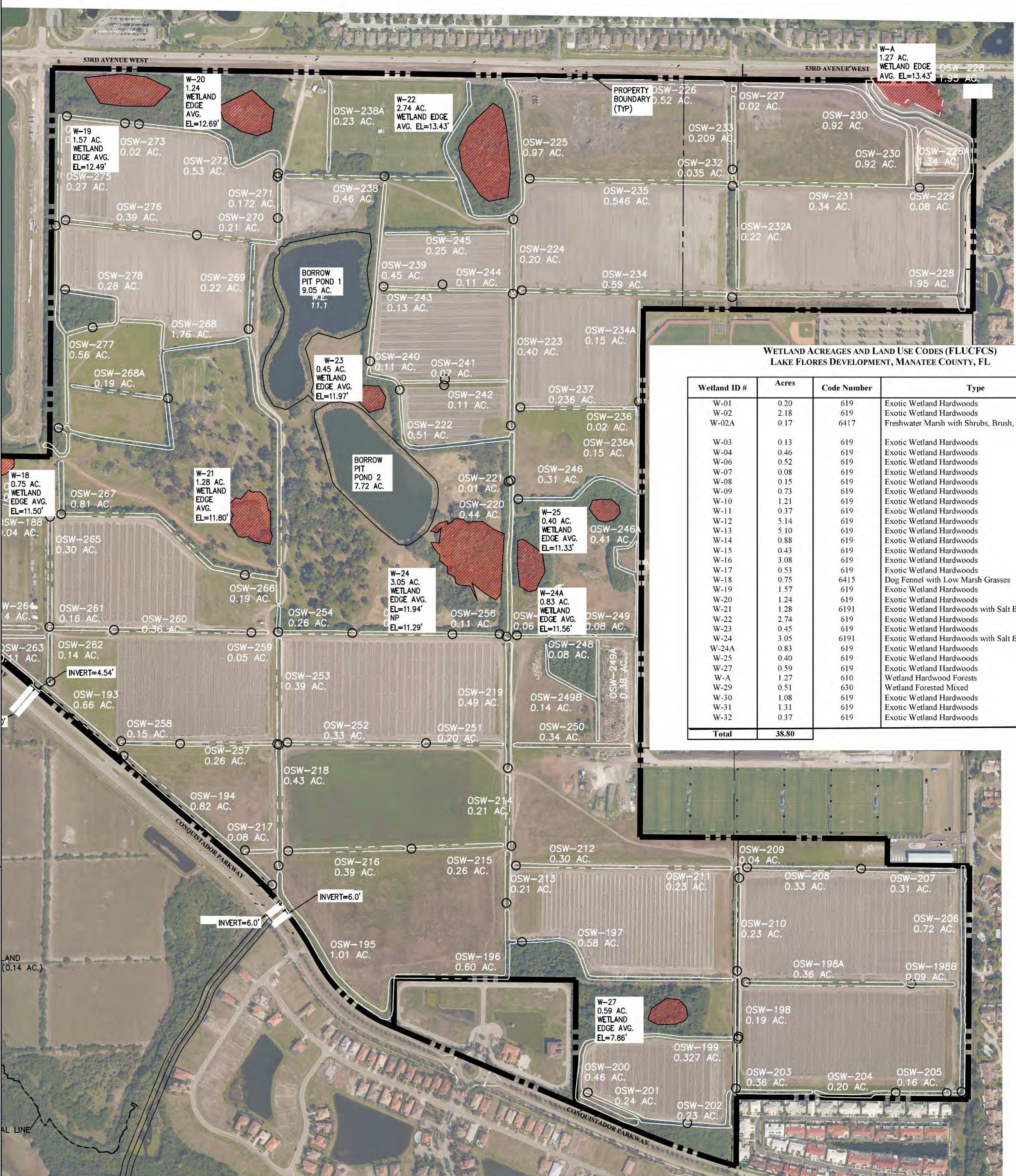


CARNAHAN PROCTOR CROSS, INC. CONSULTING ENGINEERS - SURVEYORS - PLANNERS 604 COURTLAND STREET SUITE 101 ORLANDO, FLORIDA 32804 PHONE: (407)960-9890 FAX: (407)960-9883

P:\PROJECT FOLDERS\130217.01 Lake Flores -MP & Phase 1\Submittal\ACOE Submittal 12-12-2016\ACOE OSW MAP 8X11.dwg



Pool ID#	Acres	Code Number	Description
Pool 1 (North)	9.05	534	Reservoirs less than 10 acres
Pool 2 (South)	7.72	534	Reservoirs less than 10 acres
Total	16.77		



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

Wetland ID #	Acres	Code Number	Type
W-01	0.20	619	Exotic Wetland Hardwoods
W-02	2.18	619	Exotic Wetland Hardwoods
W-02A	0.17	6417	Freshwater Marsh with Shrubs, Brush, and Vines
W-03	0.13	619	Exotic Wetland Hardwoods
W-04	0.46	619	Exotic Wetland Hardwoods
W-06	0.52	619	Exotic Wetland Hardwoods
W-07	0.08	619	Exotic Wetland Hardwoods
W-08	0.15	619	Exotic Wetland Hardwoods
W-09	0.73	619	Exotic Wetland Hardwoods
W-10	1.21	619	Exotic Wetland Hardwoods
W-11	0.37	619	Exotic Wetland Hardwoods
W-12	5.14	619	Exotic Wetland Hardwoods
W-13	5.10	619	Exotic Wetland Hardwoods
W-14	0.88	619	Exotic Wetland Hardwoods
W-15	0.43	619	Exotic Wetland Hardwoods
W-16	3.08	619	Exotic Wetland Hardwoods
W-17	0.53	619	Exotic Wetland Hardwoods
W-18	0.75	6415	Dog Fennel with Low Marsh Grasses
W-19	1.57	619	Exotic Wetland Hardwoods
W-20	1.24	619	Exotic Wetland Hardwoods
W-21	1.28	6191	Exotic Wetland Hardwoods with Salt Bush
W-22	2.74	619	Exotic Wetland Hardwoods
W-23	0.45	619	Exotic Wetland Hardwoods
W-24	3.05	6191	Exotic Wetland Hardwoods with Salt Bush
W-24A	0.83	619	Exotic Wetland Hardwoods
W-25	0.40	619	Exotic Wetland Hardwoods
W-27	0.59	619	Exotic Wetland Hardwoods
W-A	1.27	610	Wetland Forested Forests
W-29	0.51	630	Wetland Forested Mixed
W-30	1.08	619	Exotic Wetland Hardwoods
W-31	1.31	619	Exotic Wetland Hardwoods
W-32	0.37	619	Exotic Wetland Hardwoods
Total	38.80		

OTHER SURFACE WATER DRAINAGE

Total Acreage (AC)		Total Length (LF)									
88.875		180,860									
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)
OSW-3	0.089	269	OSW-77	0.256	738	OSW-150	1.739	4028	OSW-223	0.399	765
OSW-4	0.024	82	OSW-78	0.013	32	OSW-151	0.14	340	OSW-224	0.206	385
OSW-5	0.05	135	OSW-79	0.549	1485	OSW-152	0.444	971	OSW-225	0.974	2120
OSW-6	0.74	1497	OSW-80	0.414	953	OSW-153	0.063	126	OSW-226	0.523	1058
OSW-7	0.17	366	OSW-81	0.3	729	OSW-154	0.796	1598	OSW-227	0.021	37
OSW-8	0.116	265	OSW-82	0.466	1089	OSW-155	0.017	40	OSW-228	1.95	3072
OSW-9	0.103	265	OSW-83	0.257	670	OSW-156	0.38	701	OSW-228A	1.34	335
OSW-10	0.131	408	OSW-84	0.062	163	OSW-157	0.018	45	OSW-229	0.087	213
OSW-11	0.117	357	OSW-85	0.193	450	OSW-158	0.733	1129	OSW-230	0.922	1600
OSW-12	0.015	37	OSW-86	0.145	343	OSW-159	0.41	808	OSW-231	0.342	774
OSW-13	0.187	383	OSW-87	0.078	255	OSW-160	0.787	1473	OSW-232	0.035	58
OSW-14	1.088	1876	OSW-88	0.225	546	OSW-161	0.518	1054	OSW-232A	0.228	581
OSW-15	0.016	42	OSW-88A	0.4	929	OSW-162	0.07	184	OSW-233	0.209	441
OSW-16	0.042	108	OSW-89	0.166	453	OSW-163	0.025	65	OSW-234	0.598	1200
OSW-17	0.046	147	OSW-90	0.164	419	OSW-164	0.056	141	OSW-234A	0.152	578
OSW-18	0.082	249	OSW-91	0.132	350	OSW-165	1.052	1531	OSW-235	0.546	1200
OSW-19	0.124	314	OSW-92	0.114	306	OSW-166	0.913	1928	OSW-236	0.02	67
OSW-20	0.273	330	OSW-93	0.599	1244	OSW-167	1.367	2035	OSW-236A	0.15	396
OSW-21	0.987	664	OSW-94	0.126	251	OSW-168	0.273	632	OSW-237	0.236	613
OSW-22	0.14	342	OSW-95	1.085	2174	OSW-169	0.17	430	OSW-238	0.461	976
OSW-23	0.384	639	OSW-96	0.158	309	OSW-170	0.251	651	OSW-238a	0.231	521
OSW-24	0.794	1554	OSW-97	0.087	196	OSW-171	0.286	645	OSW-239	0.45	1053
OSW-25	0.064	102	OSW-98	0.161	322	OSW-172	0.187	465	OSW-240	0.114	269
OSW-26	0.277	602	OSW-99	0.11	367	OSW-173	0.073	163	OSW-241	0.071	217
OSW-27	0.533	1043	OSW-100	0.046	131	OSW-174	0.264	585	OSW-242	0.118	371
OSW-28	0.212	479	OSW-101	0.135	353	OSW-175	0.274	588	OSW-243	0.139	354
OSW-29	0.093	270	OSW-102	0.105	309	OSW-177	0.066	155	OSW-244	0.113	349
OSW-30	0.351	723	OSW-103	0.04	145	OSW-178	0.097	246	OSW-245	0.256	710
OSW-31	0.039	77	OSW-104	0.047	141	OSW-179	0.448	1034	OSW-246	0.319	761
OSW-32	0.194	331	OSW-105	0.118	302	OSW-180	0.254	660	OSW-246A	0.419	1197
OSW-33	1.946	2793	OSW-106	0.167	440	OSW-181	0.654	1520	OSW-247	0.066	201
OSW-34	0.383	948	OSW-107	0.077	208	OSW-182	0.07	166	OSW-248	0.085	259
OSW-35	0.093	200	OSW-108	0.249	486	OSW-183	0.091	256	OSW-249	0.081	218
OSW-36	0.119	306	OSW-109	0.383	676	OSW-184	0.199	436	OSW-249A	0.38	1071
OSW-37	0.09	249	OSW-110	0.067	176	OSW-185	0.011	23	OSW-249B	0.144	581
OSW-38	0.041	121	OSW-111	0.107	261	OSW-186	0.17	377	OSW-250	0.346	684
OSW-39	0.107	462	OSW-112	0.263	571	OSW-187	0.39	762	OSW-251	0.204	467
OSW-40	0.406	881	OSW-113	0.143	351	OSW-188	0.044	98	OSW-252	0.333	785
OSW-41	0.209	531	OSW-114	0.178	431	OSW-189	0.045	73	OSW-253	0.394	622
OSW-42	0.049	117	OSW-115	0.328	518	OSW-190	0.357	376	OSW-254	0.268	617
OSW-43	0.061	198	OSW-116	1.764	2380	OSW-191	0.124	298	OSW-255	0.204	507
OSW-44	0.4	828	OSW-117	0.514	776	OSW-192	0.528	912	OSW-256	0.119	302
OSW-45	0.261	503	OSW-118	0.028	34	OSW-193	0.66	1165	OSW-257	0.268	556
OSW-46	0.064	151	OSW-119	0.235	376	OSW-194	0.826	1155	OSW-258	0.153	318
OSW-47	0.182	423	OSW-120	0.023	36	OSW-195	1.015	1349	OSW-259	0.053	120
OSW-48	0.035	58	OSW-121	0.236	426	OSW-196	0.604	1075	OSW-260	0.367	781
OSW-49	0.24	507	OSW-122	0.264	416	OSW-197	0.582	1369	OSW-261	0.16	350
OSW-50	0.101	213	OSW-123	0.449	1085	OSW-198	0.194	373	OSW-262	0.147	294
OSW-51	0.021	35	OSW-124	0.011	29	OSW-198a	0.369	937	OSW-263	0.118	292
OSW-52	0.505	1068	OSW-125	0.454	971	OSW-198b	0.096	290	OSW-264	0.146	280
OSW-53	0.316	593	OSW-126	0.011	26	OSW-199	0.327	786	OSW-265	0.303	594
OSW-54	0.006	17	OSW-127	0.866	2162	OSW-200	0.464	769	OSW-266	0.193	385
OSW-55	0.692	1412	OSW-128	0.561	1157	OSW-201	0.247	605	OSW-267	0.816	1509
OSW-56	0.134	221	OSW-129	0.533	1336	OSW-202	0.233	463	OSW-268	1.761	3821
OSW-57	0.294	547	OSW-130	0.725	1501	OSW-203	0.362	705	OSW-268A	0.19	530
OSW-58	0.497	802	OSW-131	0.733	1596	OSW-204	0.206	446	OSW-269	0.22	510
OSW-59	0.595	911	OSW-132	0.211	467	OSW-205	0.167	334	OSW-270	0.221	482
OSW-60	0.331	600	OSW-133	0.151	414	OSW-206	0.722	1385	OSW-271	0.172	332
OSW-61	0.157	465	OSW-134	0.294	606	OSW-207	0.319	563	OSW-272	0.539	1128
OSW-62	0.057	193	OSW-135	0.18	447	OSW-208	0.335	644	OSW-273	0.028	72
OSW-63	0.208	502	OSW-136	0.044	111	OSW-209	0.043	89	OSW-274	0.153	333
OSW-64	0.283	847	OSW-137	0.848	1877	OSW-210	0.23	523	OSW-275	0.271	648
OSW-65	0.18	402	OSW-138	0.089	255	OSW-211	0.232	549	OSW-276	0.397	758
OSW-66	0.228	551	OSW-139	0.045	127	OSW-212	0.307	705	OSW-277	0.562	1256
OSW-67	0.195	426	OSW-140	0.042	112	OSW-213	0.215	328	OSW-278	0.283	636
OSW-68	0.104	271	OSW-141	0.282	691	OSW-214	0.209	419	OSW-SO1	0.233	365
OSW-69	0.363	897	OSW-142	0.251	748	OSW-215	0.265	549	OSW-SO2	0.326	605
OSW-70	0.144	380	OSW-143	0.215	527	OSW-216	0.393	700	OSW-SO3	0.285	448
OSW-71	0.146	375	OSW-144	0.405	951	OSW-217	0.081	178	OSW-SO4	0.825	1386
OSW-72	0.102	248	OSW-145	0.458	1088	OSW-218	0.433	689			
OSW-73	0.125	326	OSW-146	0.197	467	OSW-219	0.493	741			
OSW-74	0.013	35	OSW-147	0.856	1956	OSW-220	0.446	882			
OSW-75	0.078	163	OSW-148	0.04	77	OSW-221	0.01	27			
OSW-76	0.18	475	OSW-149	0.027	63	OSW-222	0.516	1176			

SARASOTA BAY TIDAL AMPLITUDE TABLE

DATUM	NAVD '88	CONVERSION	NAVD '88 + 1.0'	NGVD '29
MHHW	+0.54 FEET	MEAN HIGHER HIGH WATER		
MHW	+0.25 FEET	MEAN HIGH WATER		
MSL	-0.46 FEET	MEAN SEA LEVEL		
MLW	-1.21 FEET	MEAN LOW WATER		
MLLW	-1.55 FEET	MEAN LOWER LOW WATER		

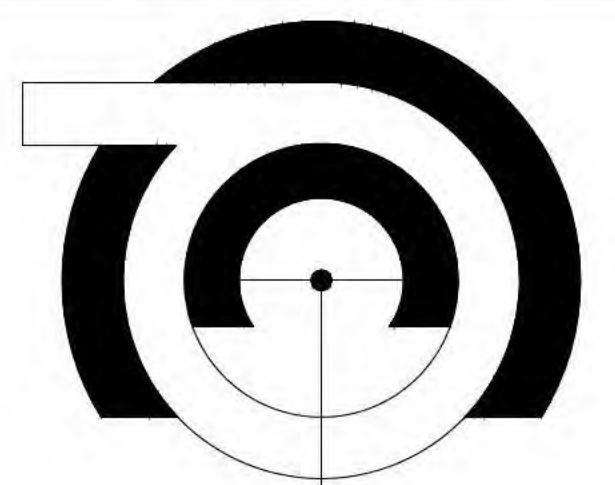
NOTE:
 -ALL DITCHES SHOWN AS TOP OF BANK
 -LIMITS OF ENUMERATED WETLANDS AND DITCHES (OSW) HAVE BEEN APPROVED BY SWFWMD ERP PERMIT #42599.000 DATED: JULY 25, 2016. LOCATION OF APPROXIMATE ACRES OF MANGROVE SWAMP, TIDAL FLATS, AND EXOTIC WETLAND HARDWOODS IN DRAINAGE STRIPS (DS) HAVE NOT BEEN APPROVED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

December 3 20 16

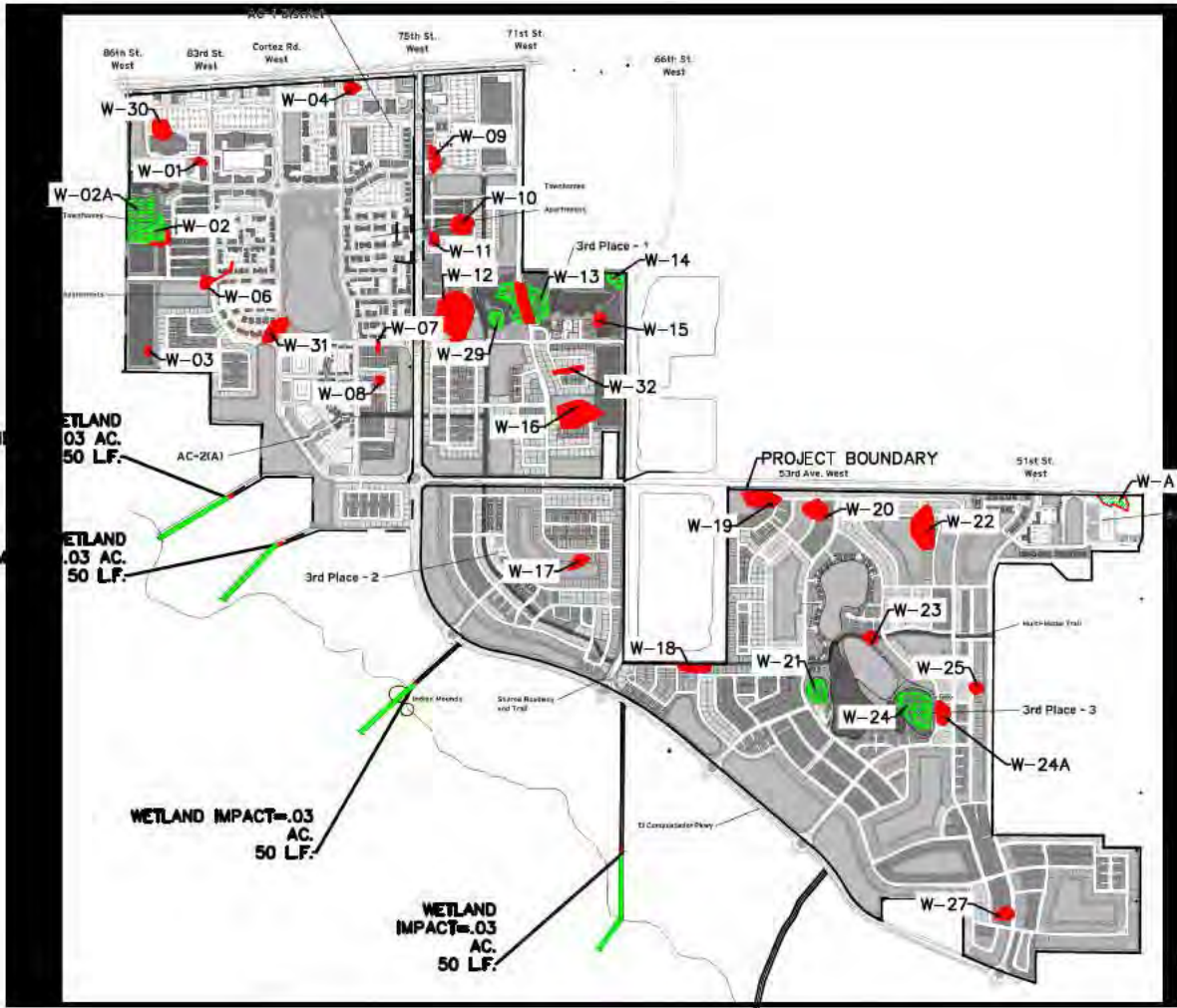
Revised

SA 20 5 03799



Shee 5
 DE INEA ION O WE ANDS AND O HER
 SUR ACE WA ERS (OSW)
 MAKE ORES DEVE OMEN
 MANA EE COUN

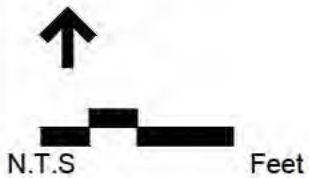


CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS - SURVEYORS - PLANNERS
 604 COURTLAND STREET SUITE 101 ORLANDO FLORIDA 32804
 PHONE: (407)960-9980 FAX: (407)960-9983



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**




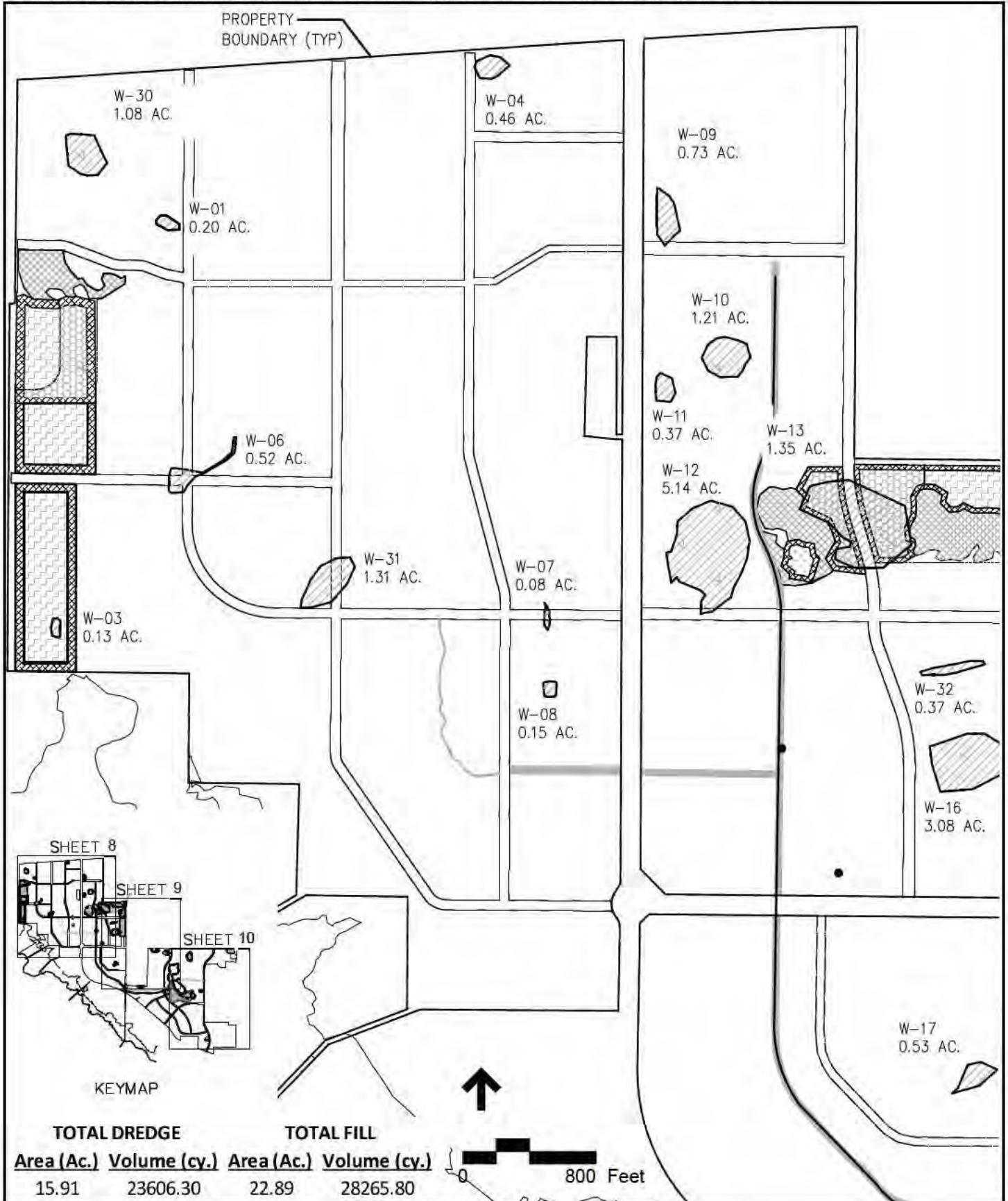
CARNAHAN PROCTOR CROSS, INC.

CONSULTING ENGINEERS-SURVEYORS-PLANNERS
604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
PHONE (407)960-5560 FAX (407)960-5563

Wetland or Drainage Strip ID	FLUCFCS	Existing Area (Ac.)	Impact Area (Ac.)	Impact Category	Functional 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/USACE Permit# 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

Date: Decemeber 13, 2016 Revised:	SAJ 2015-03799 Sheet 7 List of Proposed Permanent Wetland Impacts with Functional Loss Scores (UMAM) LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL	 CARNAHAN PROCTOR CROSS, INC. <small>CONSULTING ENGINEERS-SURVEYORS-PLANNERS 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804 PHONE: (407)960-5980 FAX: (407)960-5983</small>
--	---	--



Date: December 13, 2016

Revised:

SAJ 2015-03799

Sheet 8

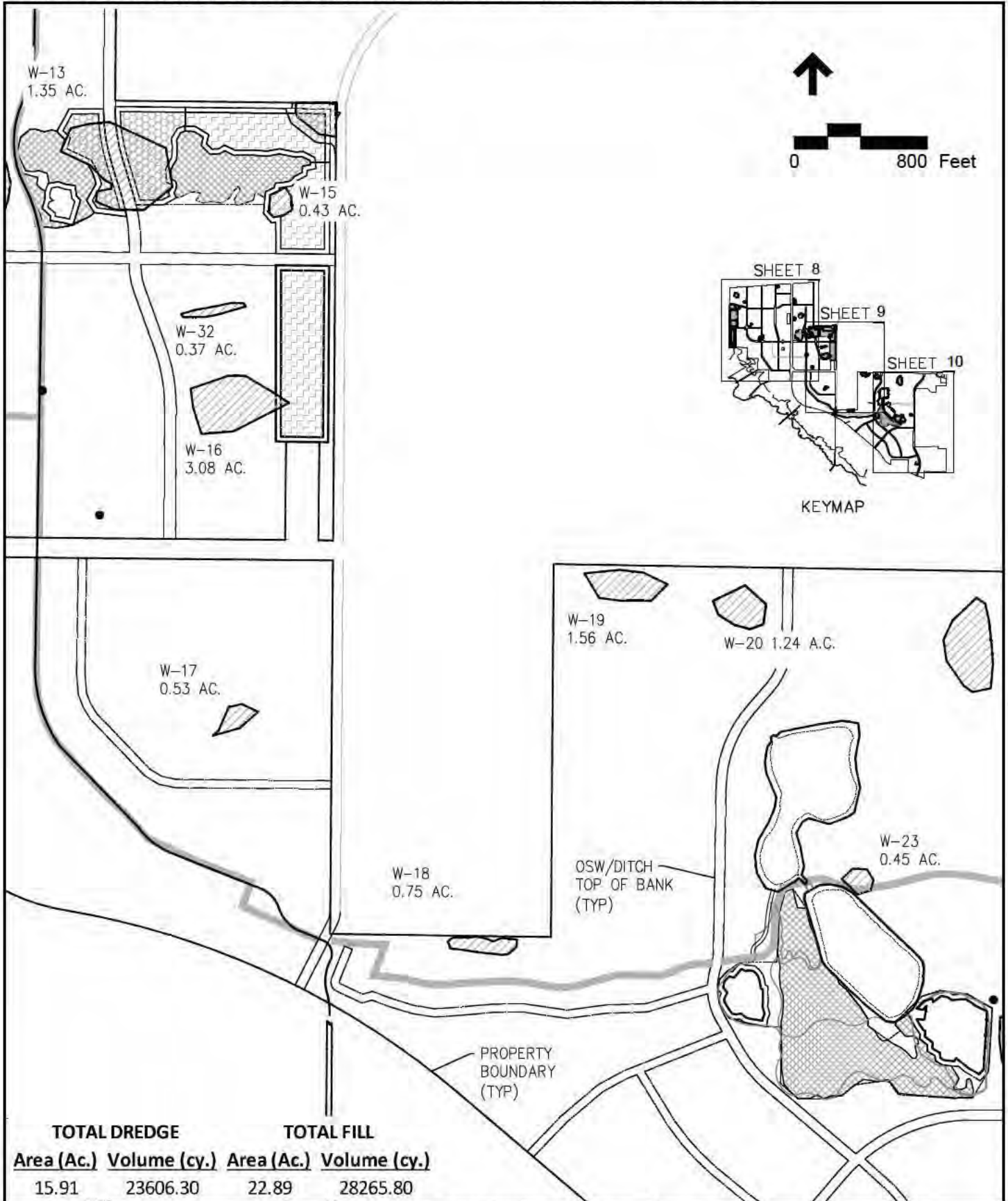
Wetland Impacts Key Sheet

LAKE FLORES DEVELOPMENT
MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

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



Date: December 13, 2016

Revised:

SAJ 2015-03799

Sheet 9

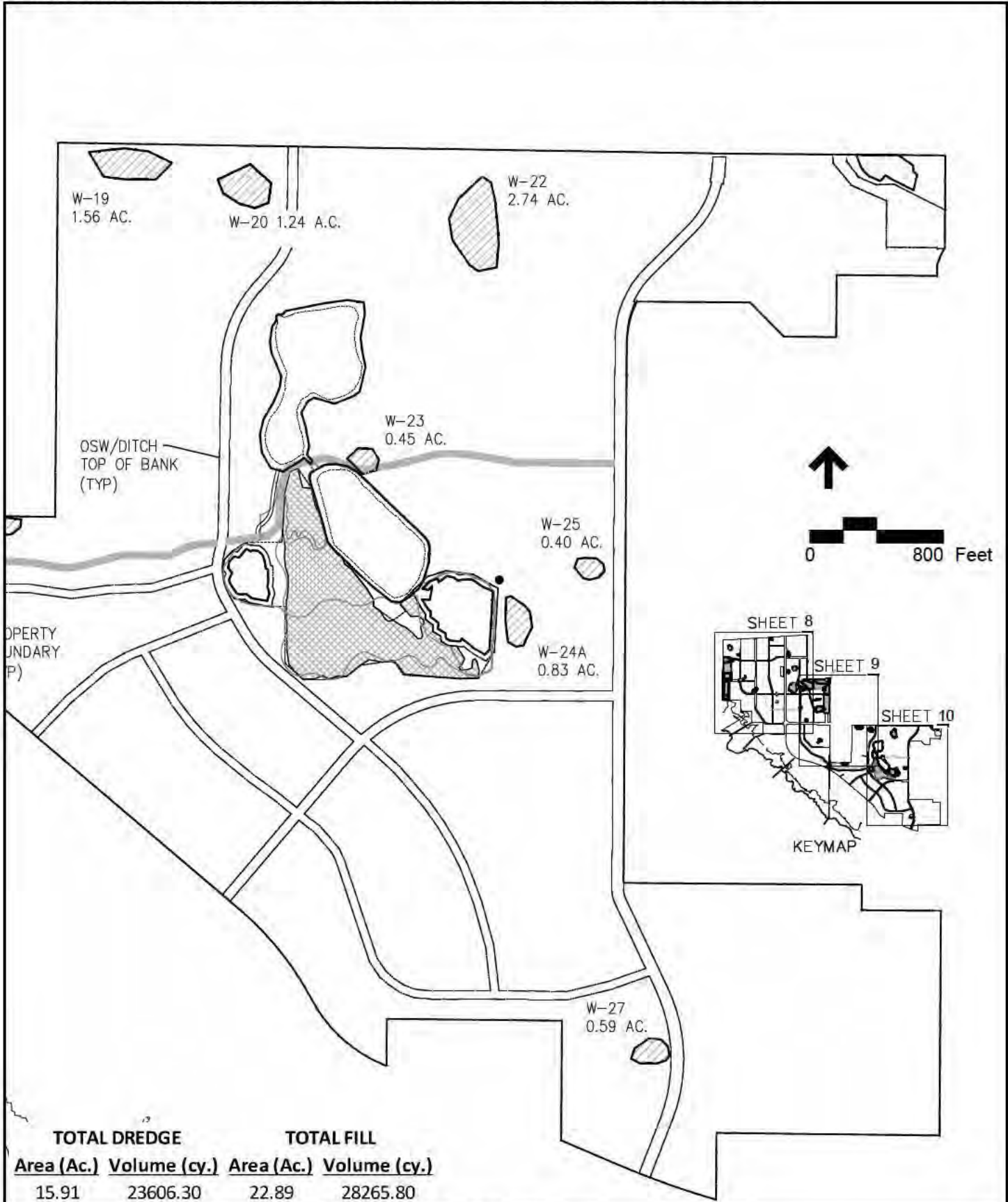
Wetland Impacts Key Sheet

**LAKE FLORES DEVELOPMENT
MANATEE COUNTY, FL**



CARNAHAN PROCTOR CROSS, INC.

CONSULTING ENGINEERS • SURVEYORS • PLANNERS
604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
PHONE 1407/960-5880 FAX 1407/960-5883



Date: December 13, 2016

Revised:

SAJ 2015-03799

Sheet 10

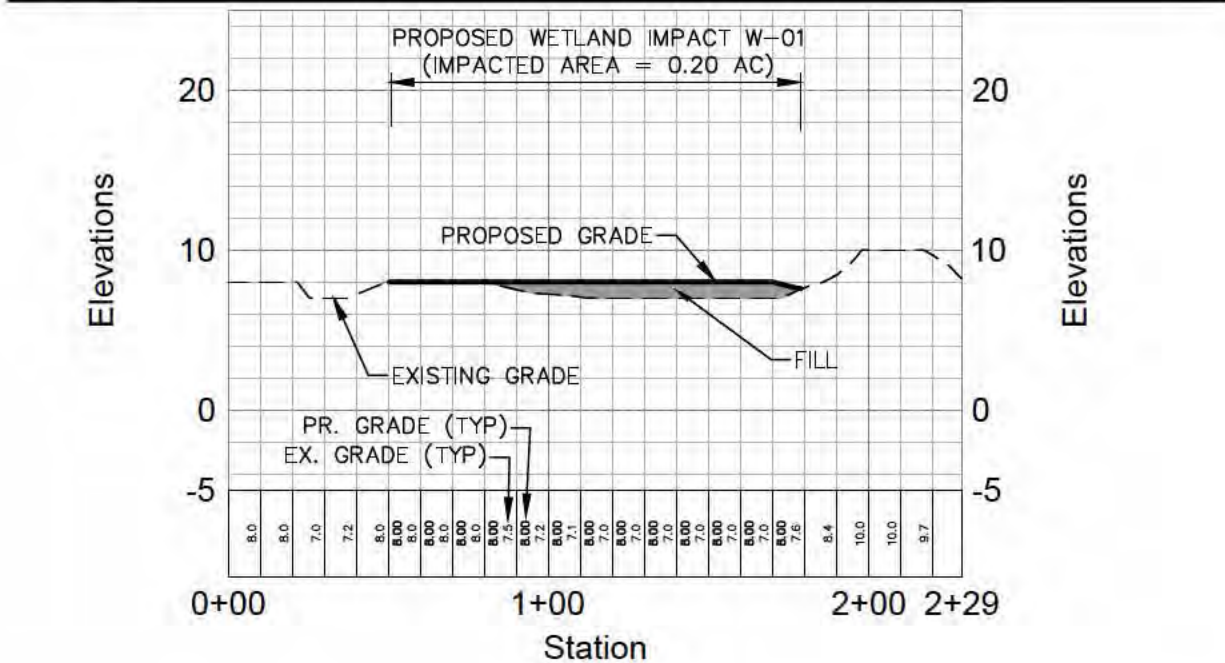
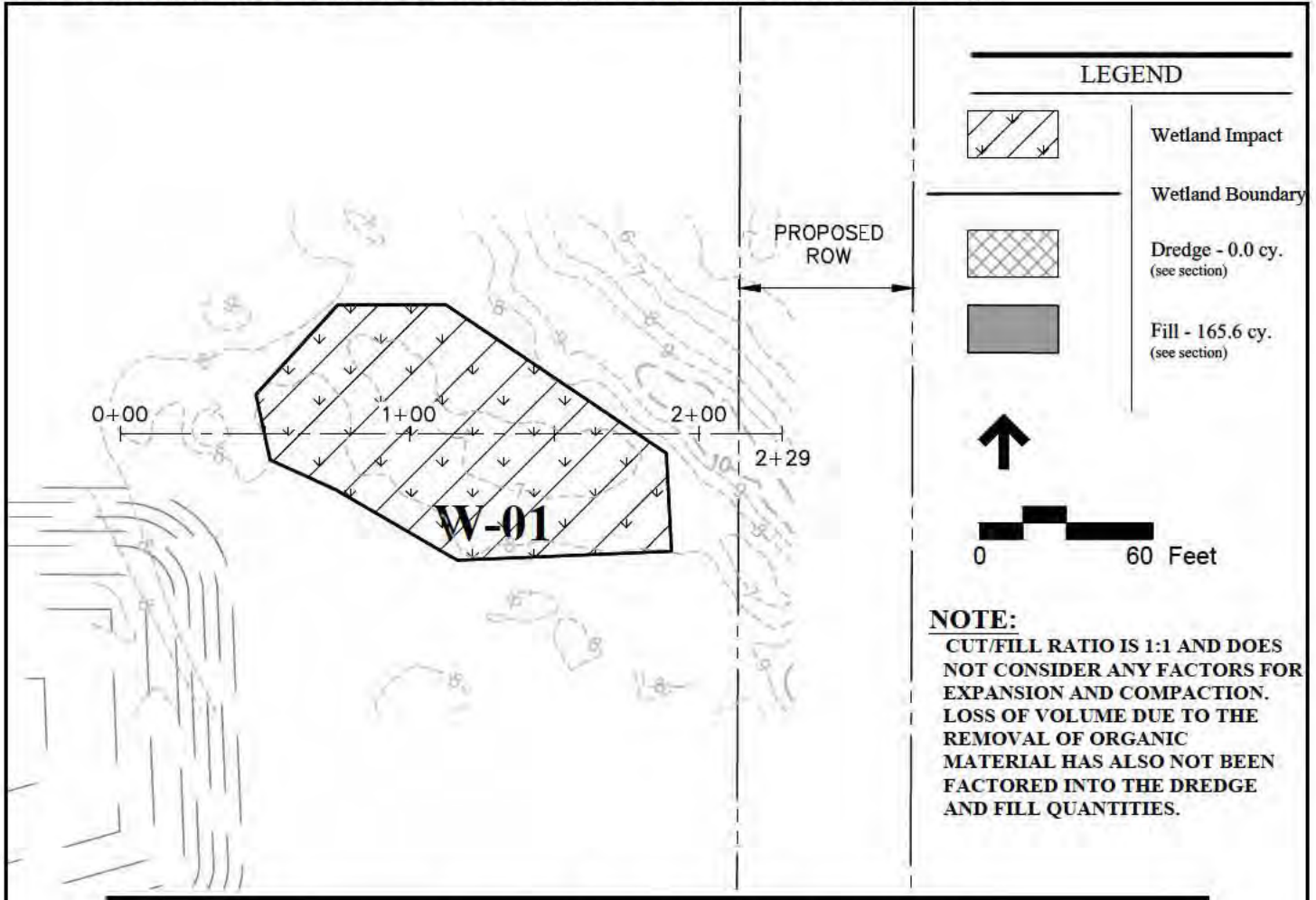
Wetland Impacts Key Sheet

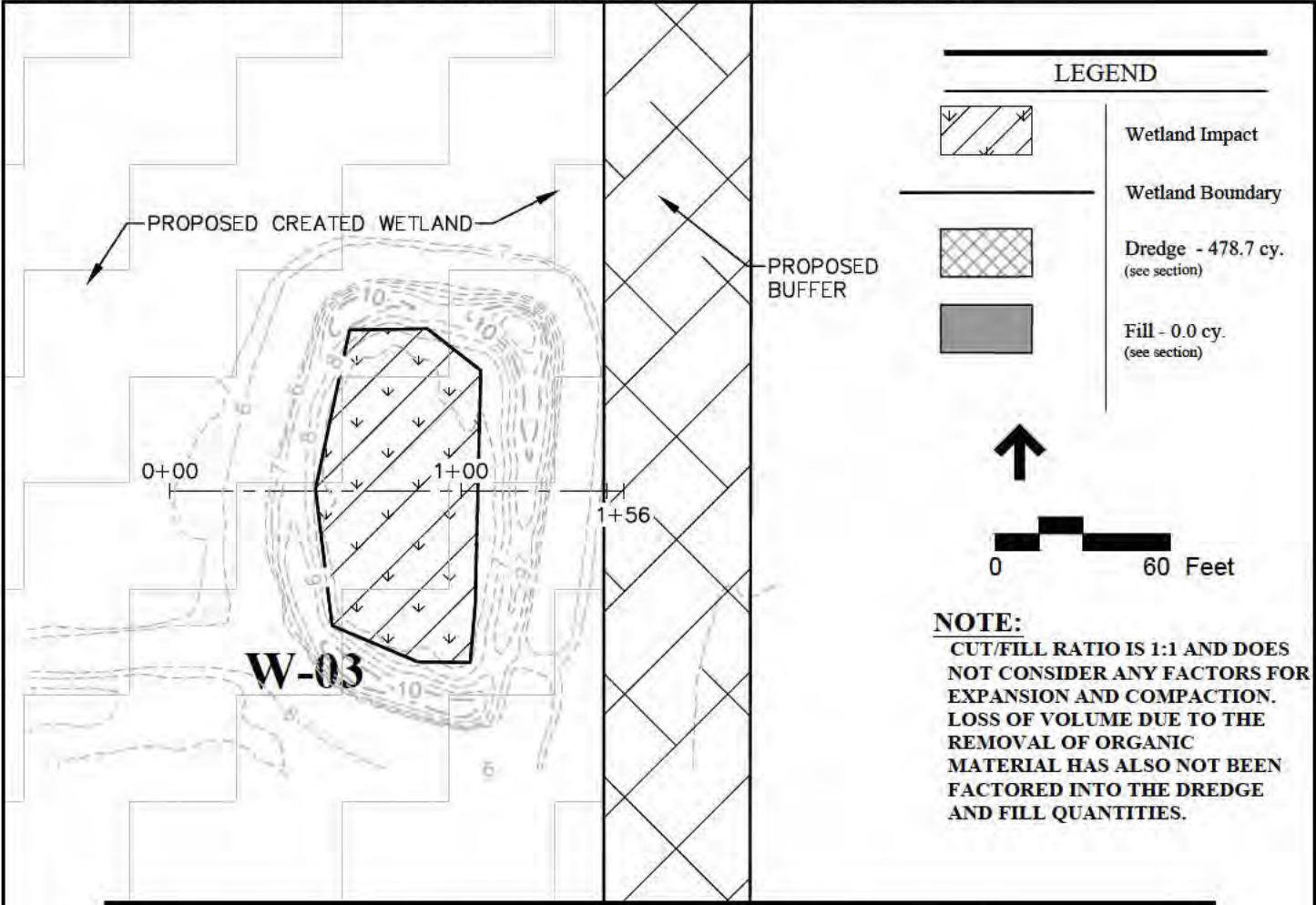
**LAKE FLORES DEVELOPMENT
MANATEE COUNTY, FL**



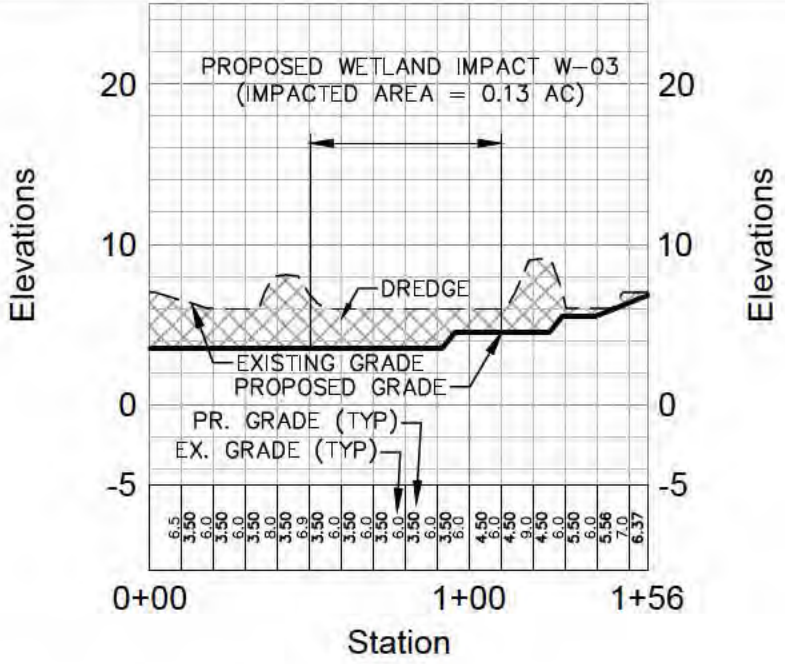
CARNAHAN PROCTOR CROSS, INC.

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





NOTE:
 CUT/FILL RATIO IS 1:1 AND DOES NOT CONSIDER ANY FACTORS FOR EXPANSION AND COMPACTION. LOSS OF VOLUME DUE TO THE REMOVAL OF ORGANIC MATERIAL HAS ALSO NOT BEEN FACTORED INTO THE DREDGE AND FILL QUANTITIES.

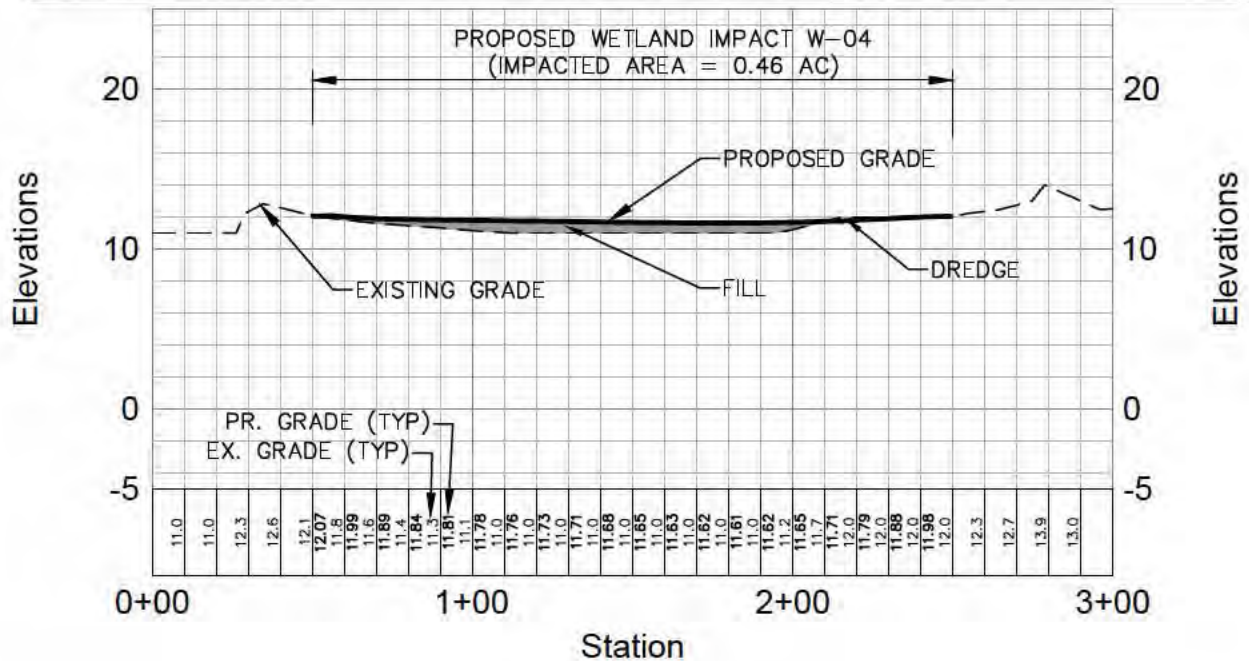
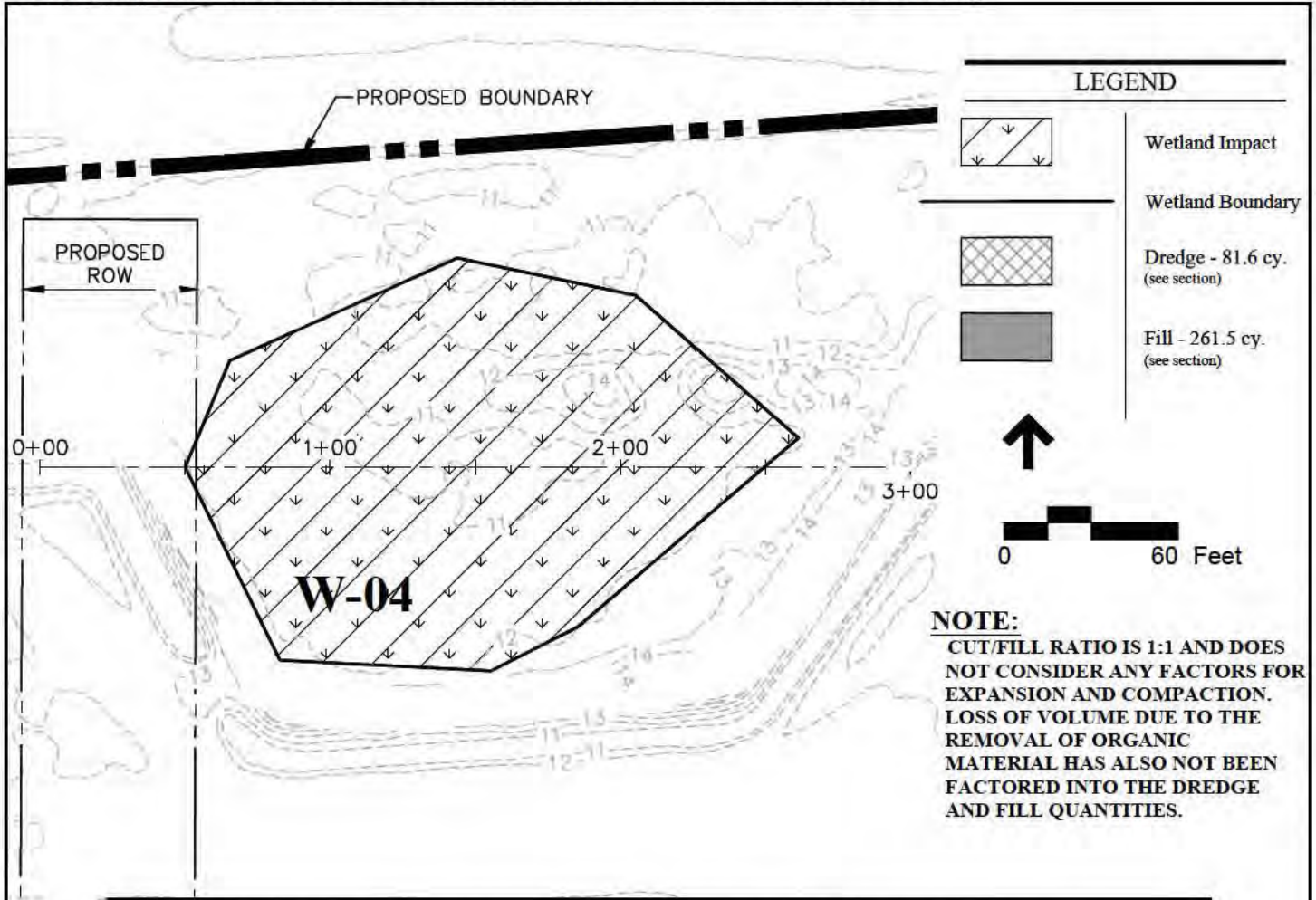


Date: December 13, 2016
 Revised:

SAJ 2015-03799
 Sheet 12
 Plan and Section Views of Proposed Impact to Wetland 03 (W-03)
 LAKE FLORES DEVELOPMENT
 MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
 PHONE (407) 960-5880 FAX (407) 960-5883



Date: December 13, 2016

Revised:

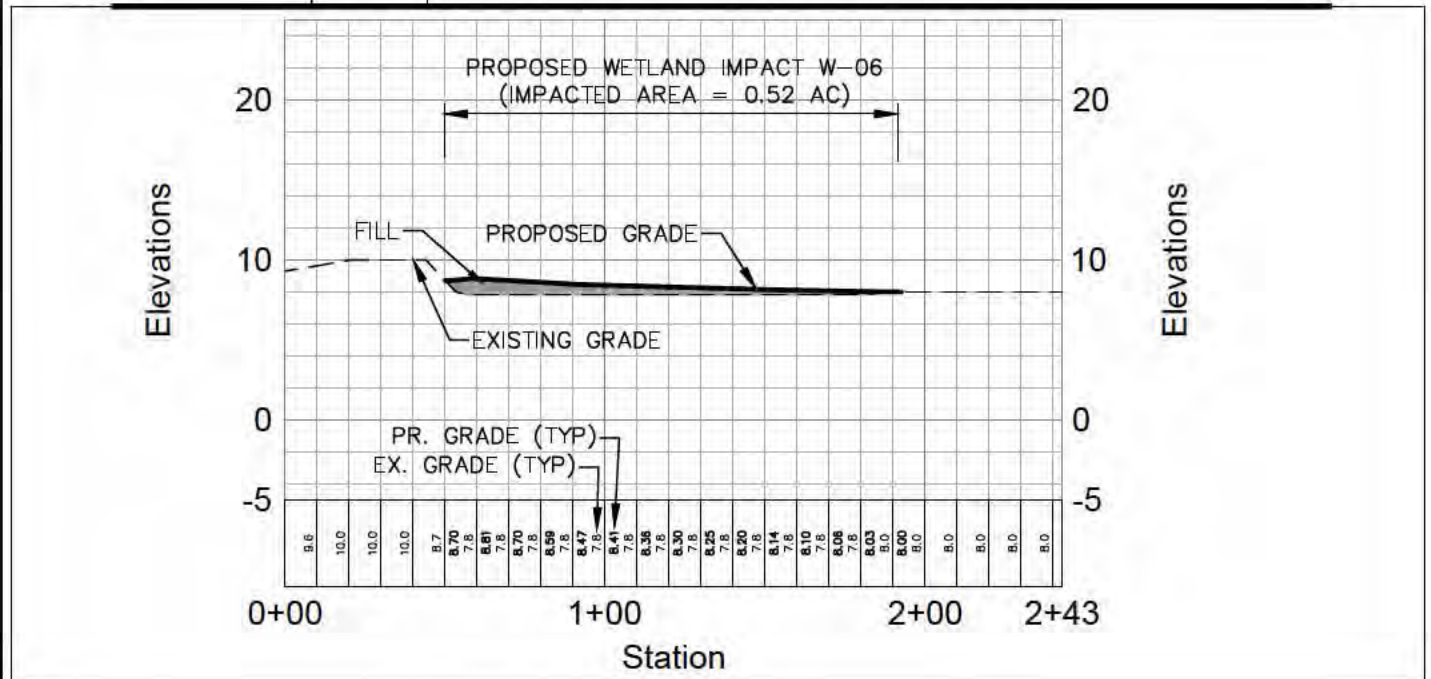
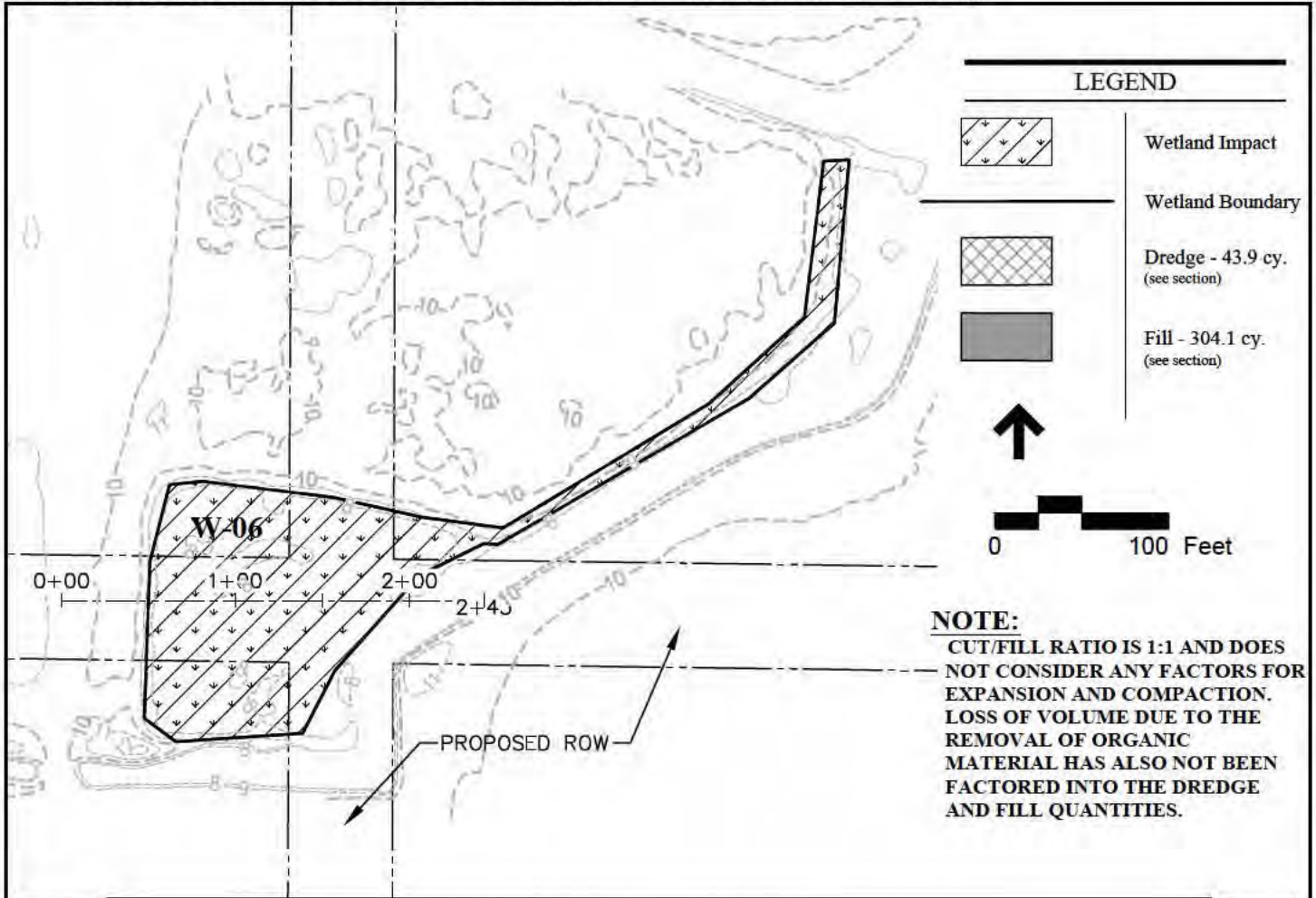
SAJ 2015-03799
Sheet 13

Plan and Section Views of Proposed
Impact to Wetland 04 (W-04)
LAKE FLORES DEVELOPMENT
MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

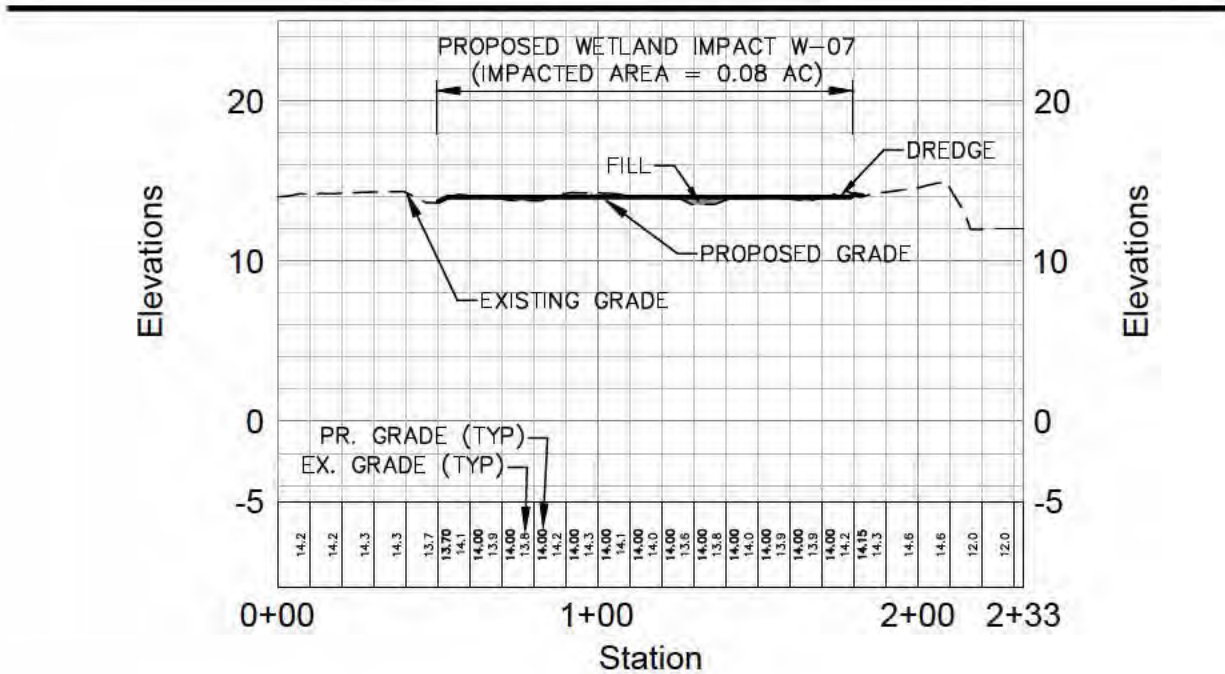
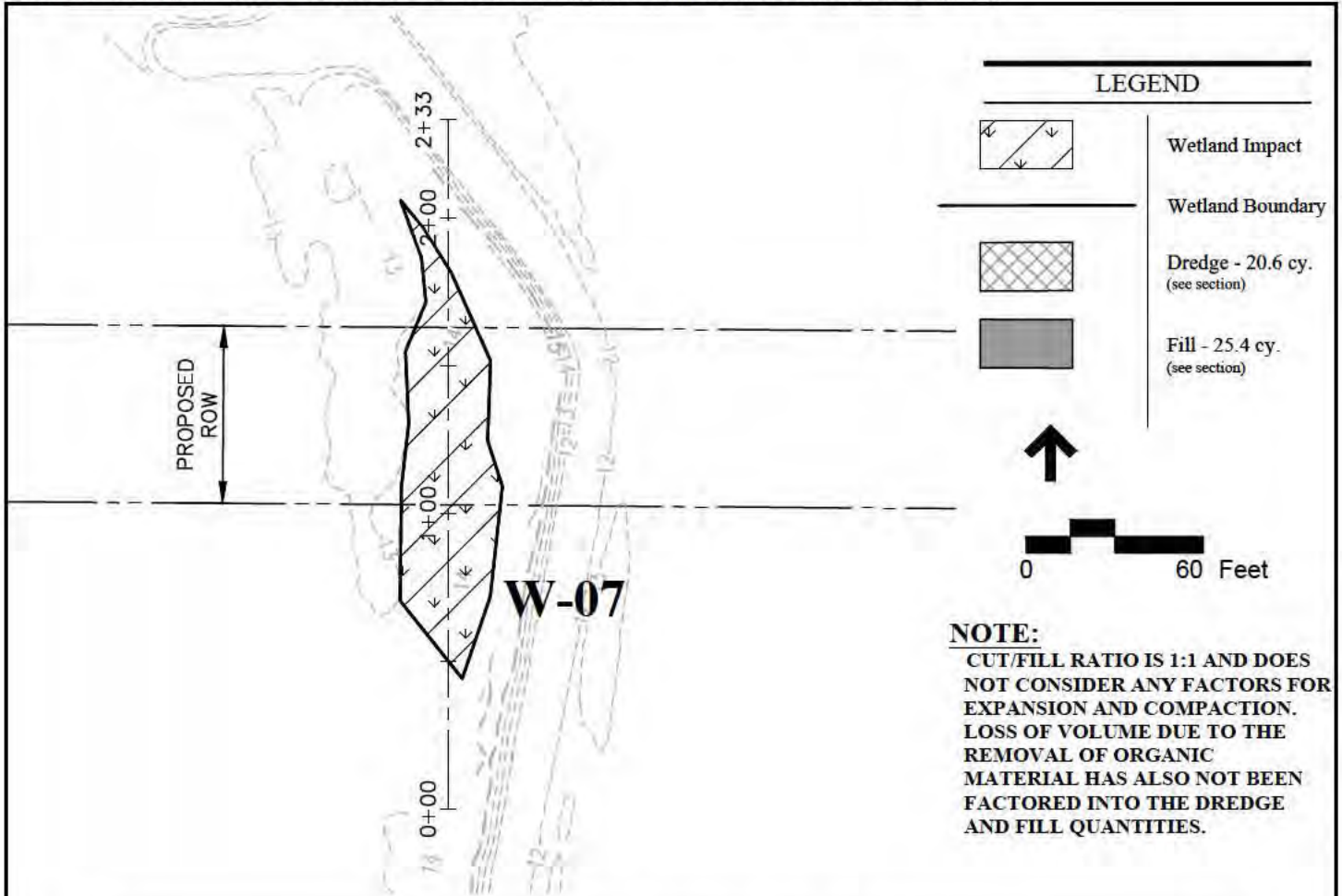
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
PHONE (407) 960-5980 FAX (407) 960-5983



Date: December 13, 2016
 Revised:

SAJ 2015-03799
 Sheet 14
 Plan and Section Views of Proposed Impact to Wetland 06 (W-06)
LAKE FLORES DEVELOPMENT
 MANATEE COUNTY, FL

CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
 PHONE (407) 960-5980 FAX (407) 960-5983



Date: December 13, 2016

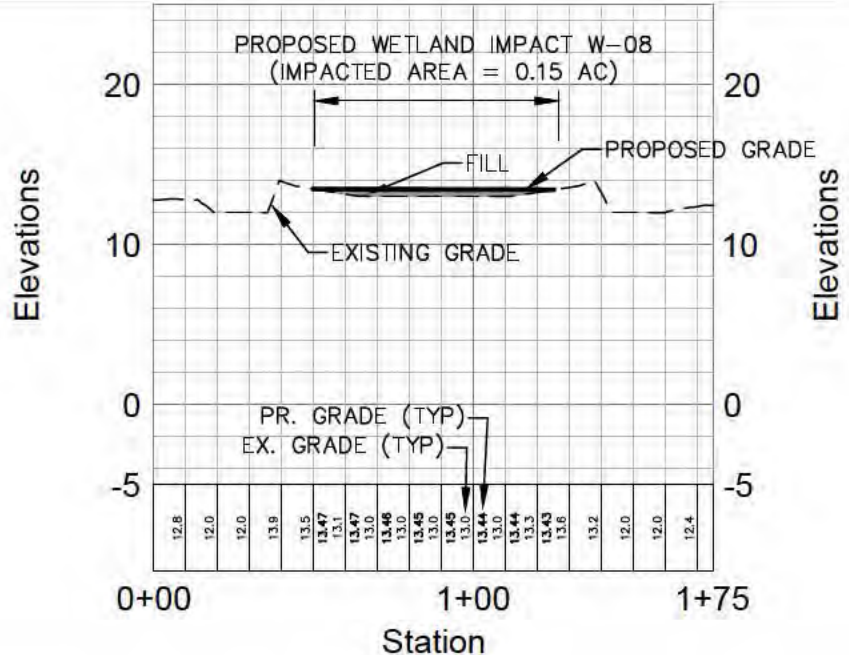
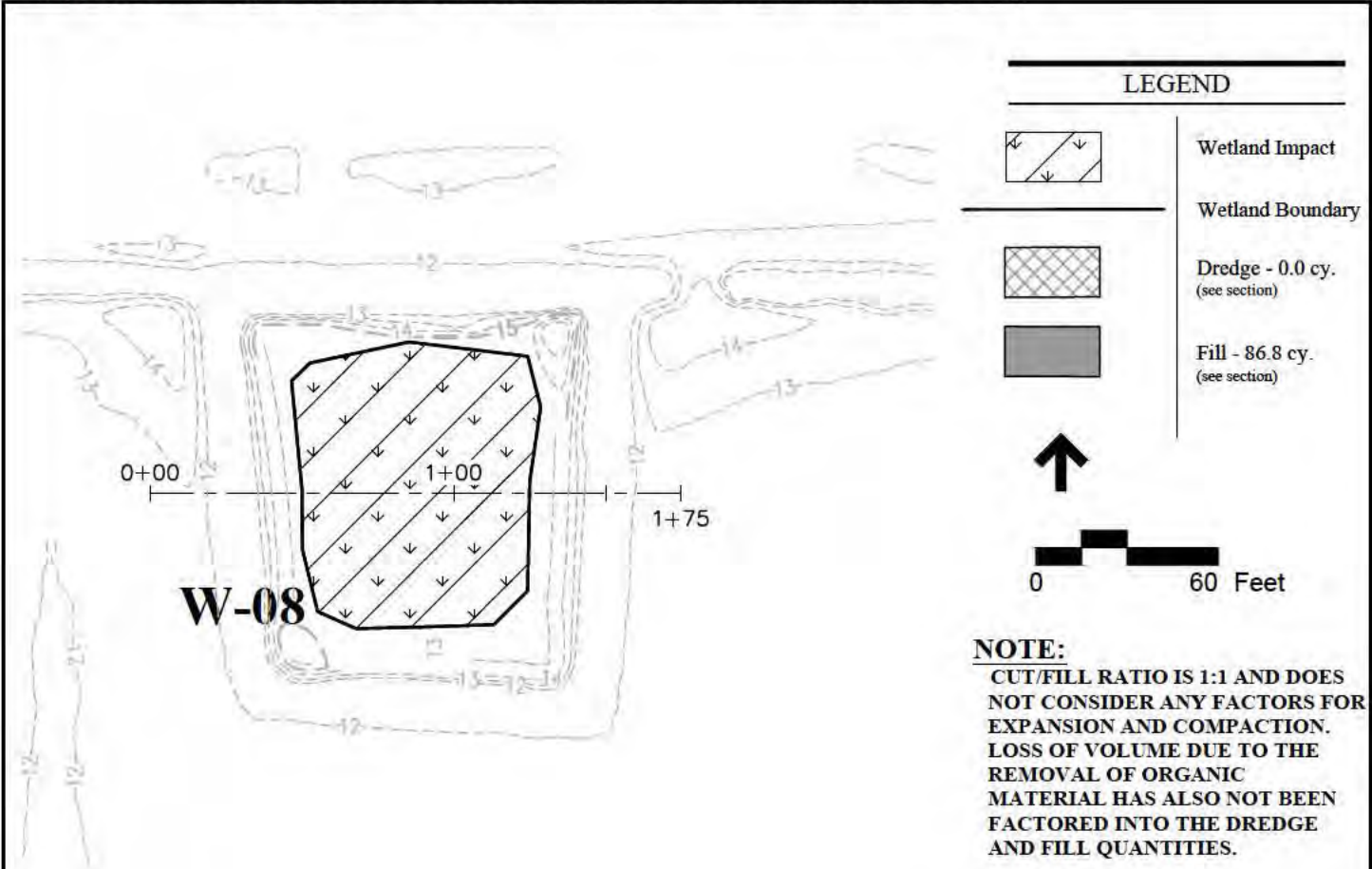
Revised:

SAJ 2015-03799
 Sheet 15
 Plan and Section Views of Proposed
 Impact to Wetland 07 (W-07)
LAKE FLORES DEVELOPMENT
 MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.

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

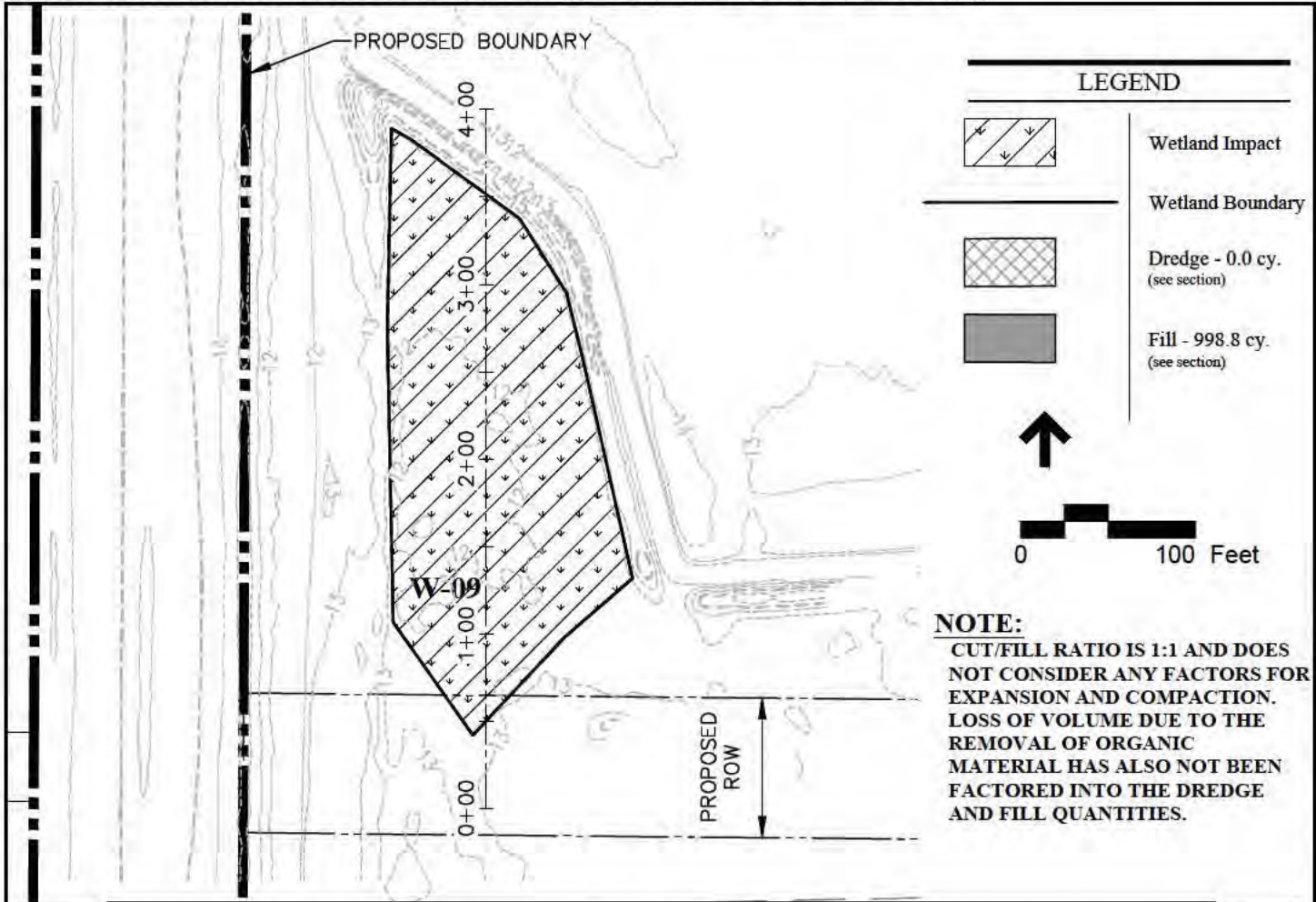


Date: December 13, 2016
 Revised:

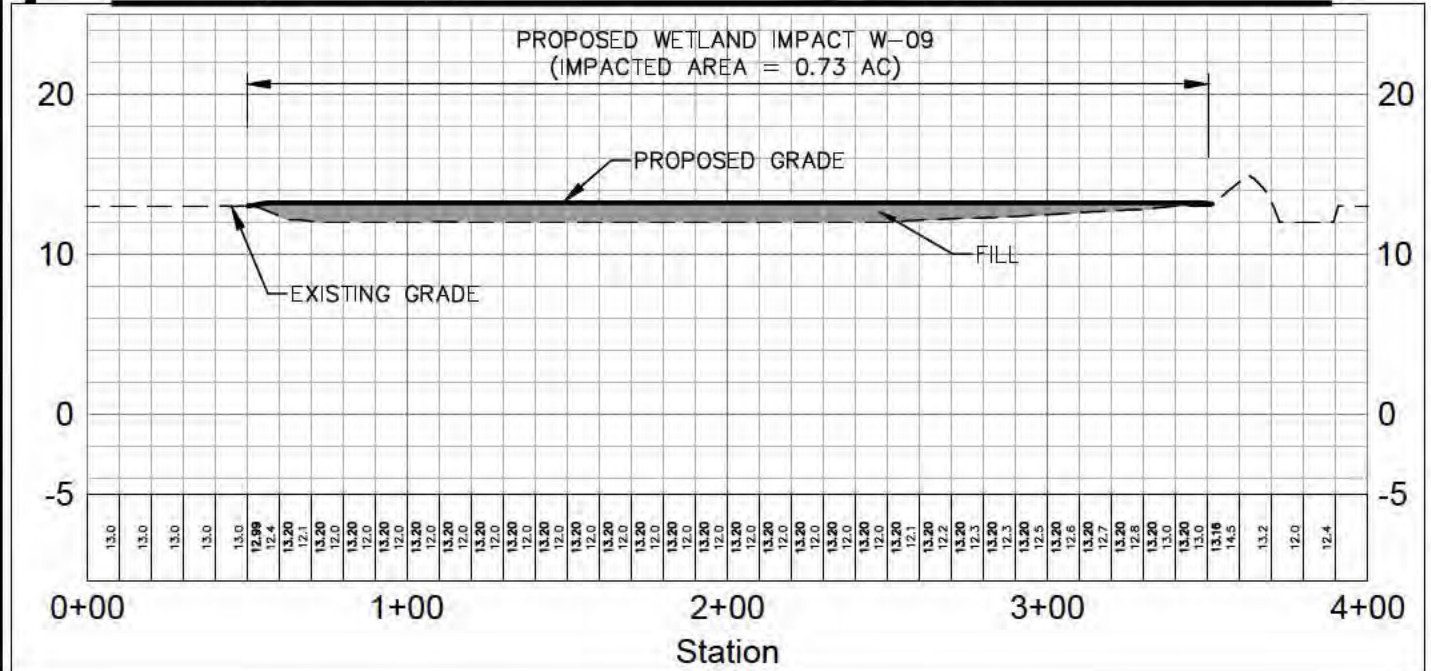
SAJ 2015-03799
 Sheet 16
 Plan and Section Views of Proposed Impact to
 Wetland 08 (W-08)
LAKE FLORES DEVELOPMENT
 MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
 PHONE (407) 960-5980 FAX (407) 960-5983



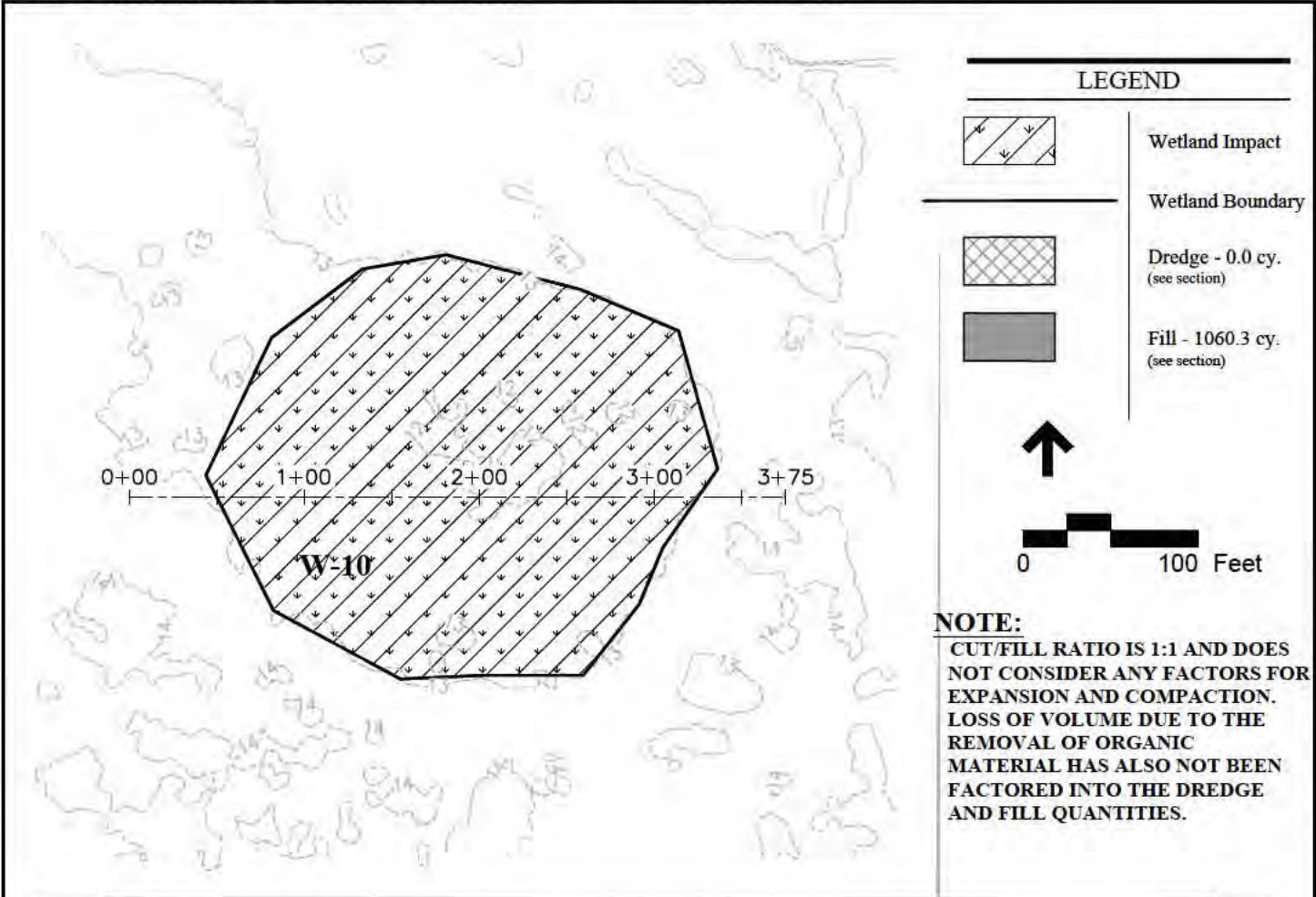
NOTE:
 CUT/FILL RATIO IS 1:1 AND DOES NOT CONSIDER ANY FACTORS FOR EXPANSION AND COMPACTION. LOSS OF VOLUME DUE TO THE REMOVAL OF ORGANIC MATERIAL HAS ALSO NOT BEEN FACTORED INTO THE DREDGE AND FILL QUANTITIES.



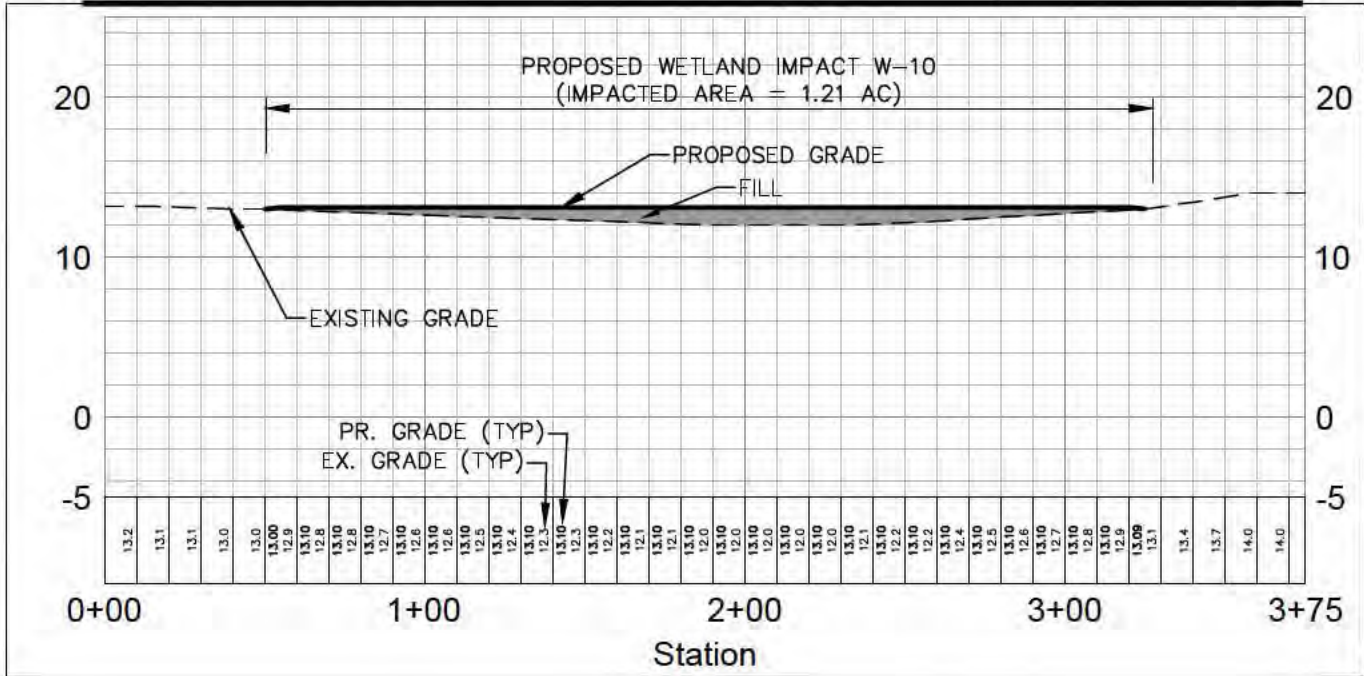
Date: December 13, 2016
 Revised:

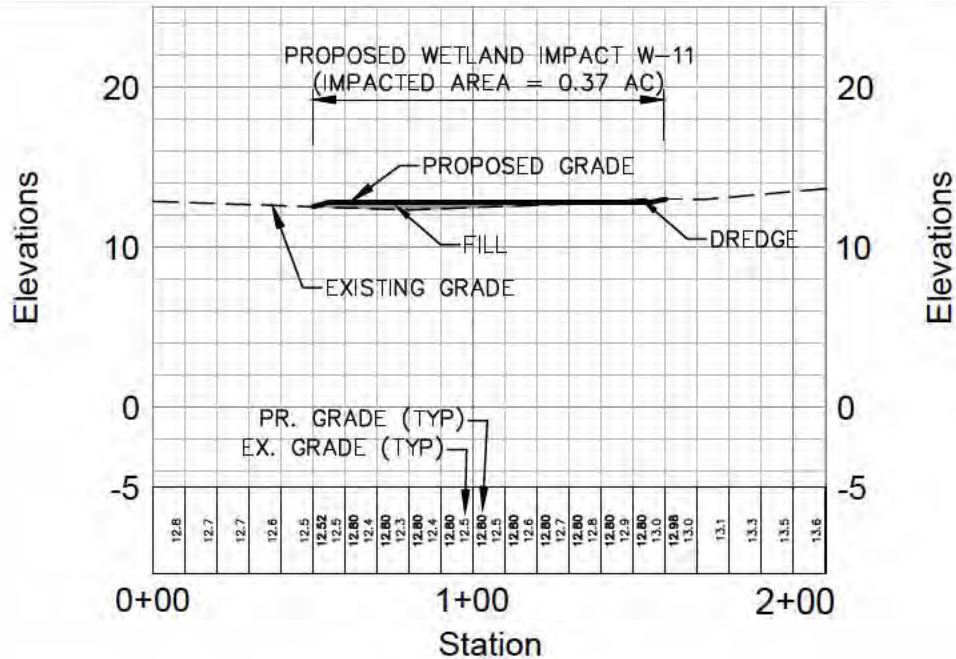
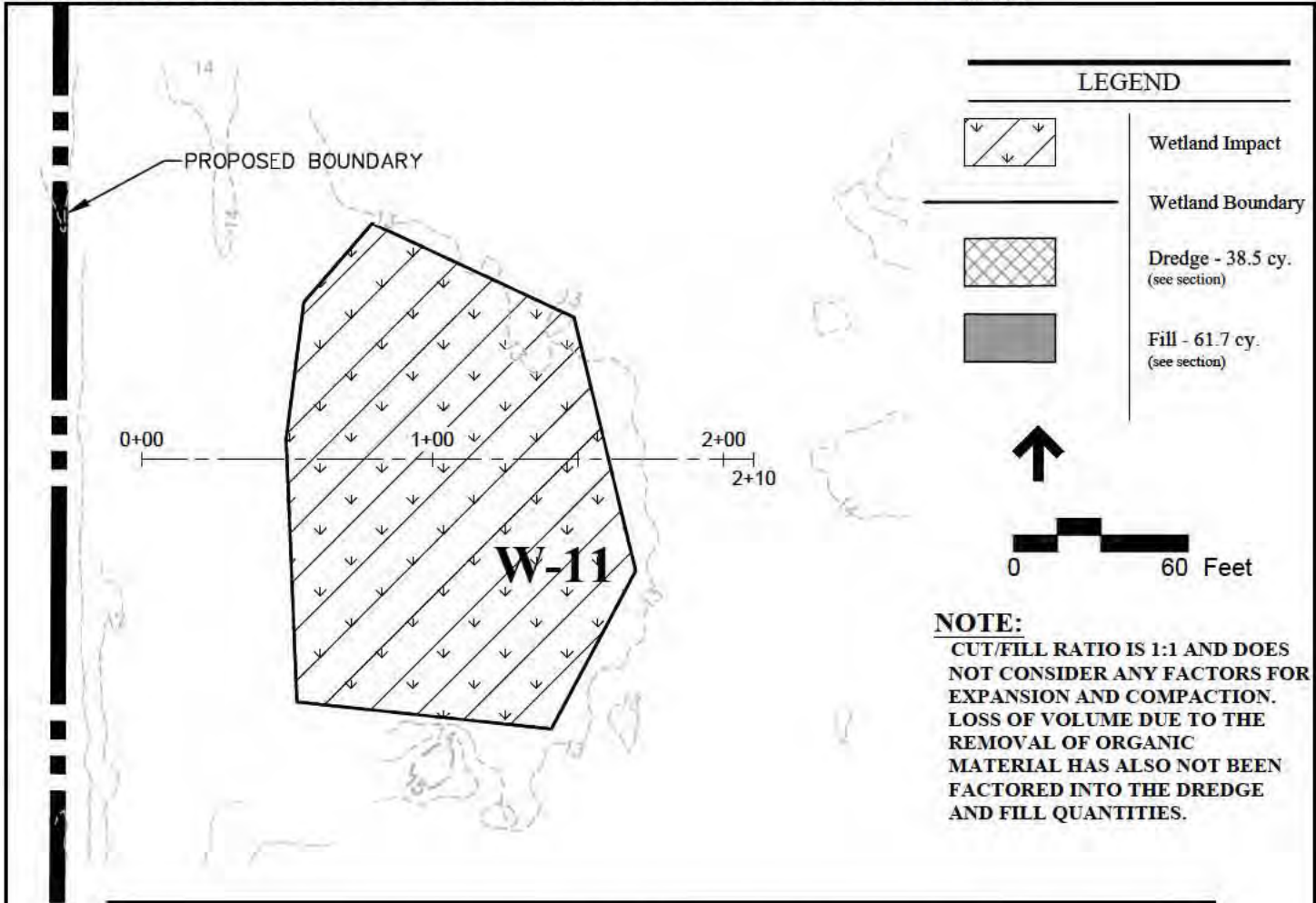
SAJ 2015-03799
 Sheet 17
 Plan and Section Views of Proposed Impact to Wetland 09 (W-09)
LAKE FLORES DEVELOPMENT
 MANATEE COUNTY, FL

CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
 PHONE (407) 960-5980 FAX (407) 960-5983



NOTE:
 CUT/FILL RATIO IS 1:1 AND DOES NOT CONSIDER ANY FACTORS FOR EXPANSION AND COMPACTION. LOSS OF VOLUME DUE TO THE REMOVAL OF ORGANIC MATERIAL HAS ALSO NOT BEEN FACTORED INTO THE DREDGE AND FILL QUANTITIES.





Date: December 13, 2016

Revised:

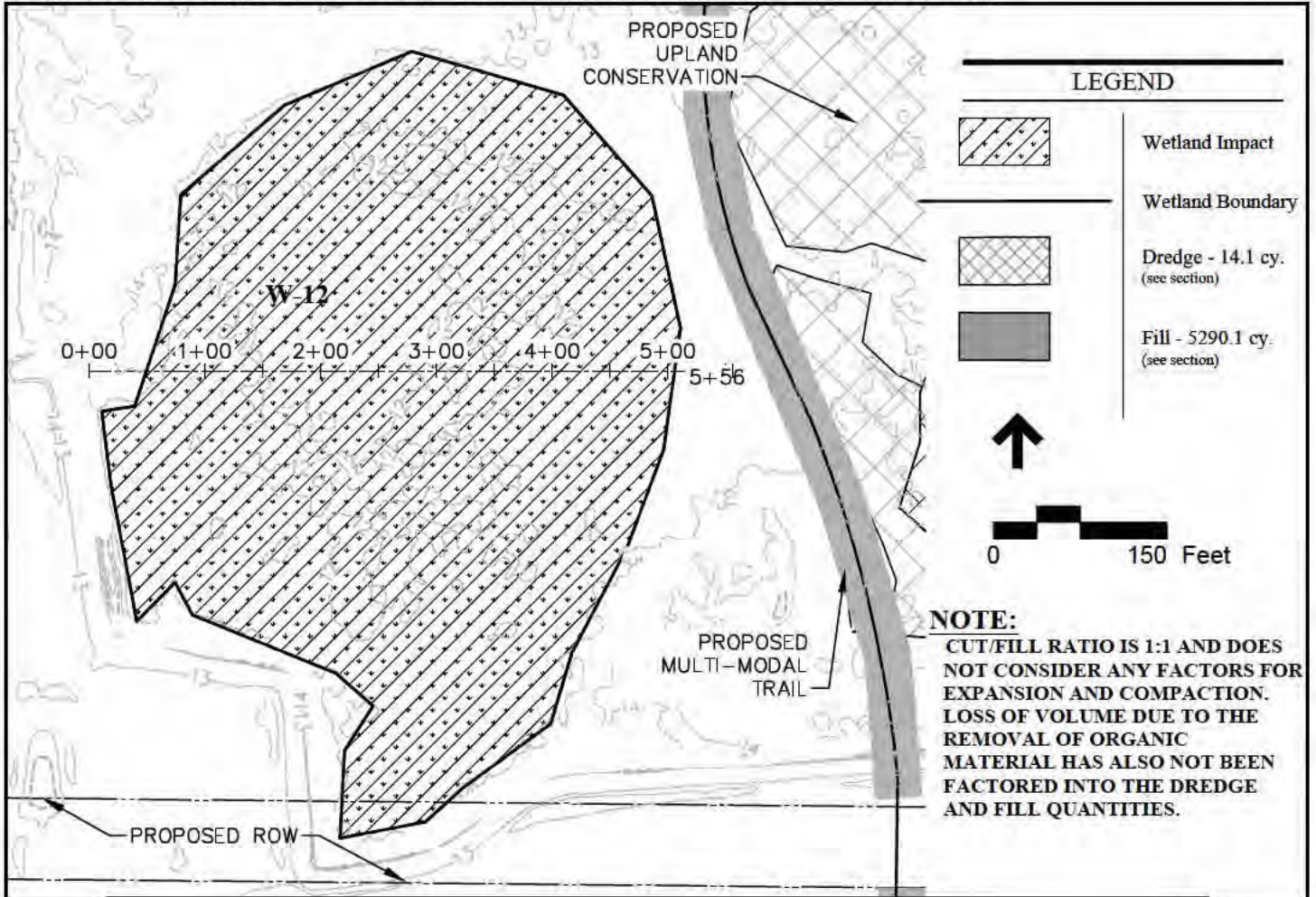
SAJ 2015-03799
Sheet 19

Plan and Section Views of Proposed Impact
to Wetland 11 (W-11)
LAKE FLORES DEVELOPMENT
MANATEE COUNTY, FL

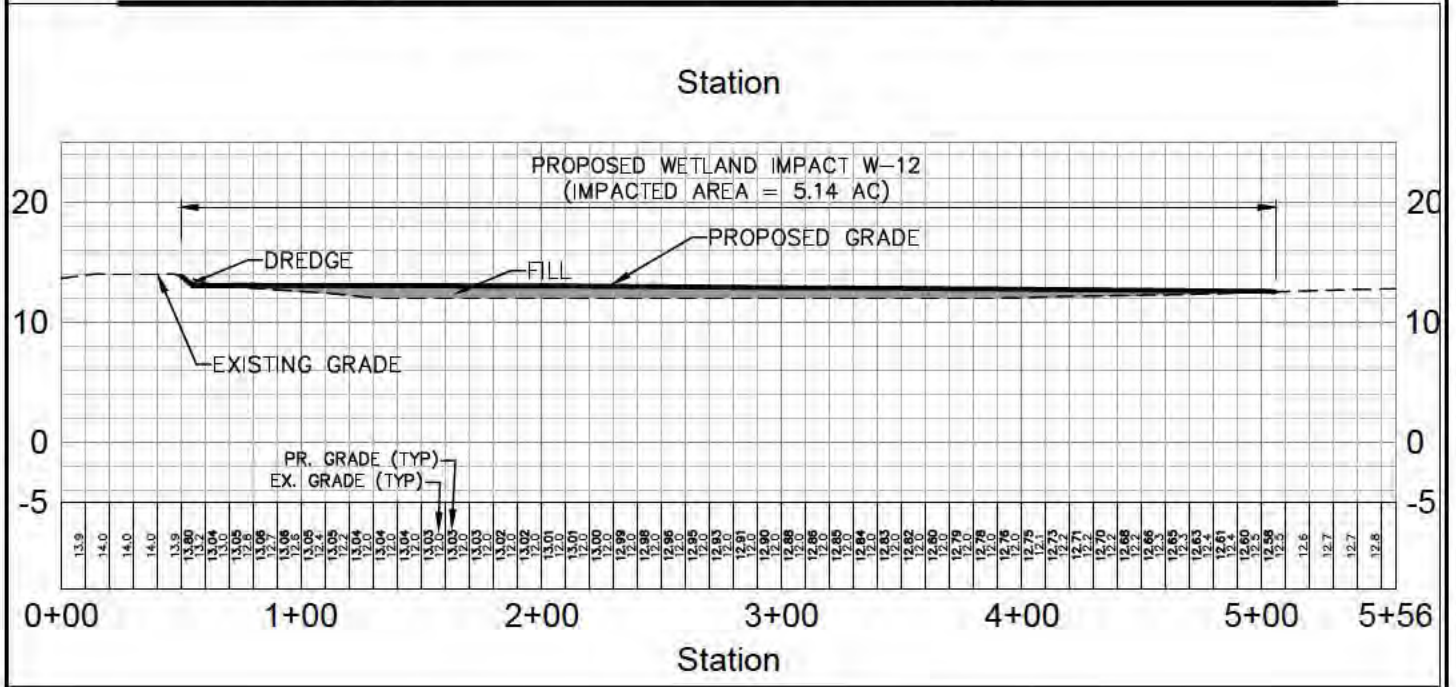


CARNAHAN PROCTOR CROSS, INC.

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



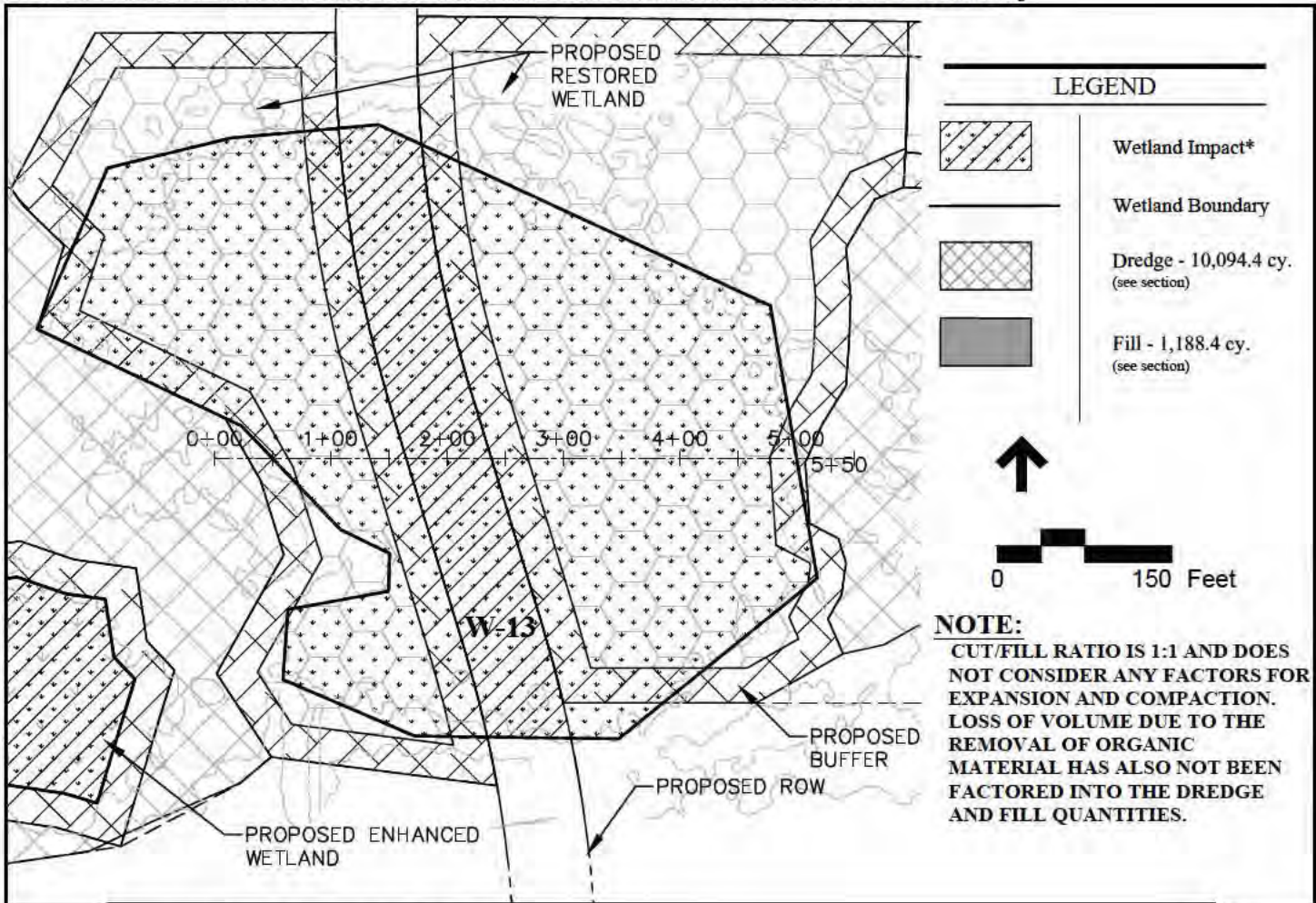
NOTE:
 CUT/FILL RATIO IS 1:1 AND DOES NOT CONSIDER ANY FACTORS FOR EXPANSION AND COMPACTION. LOSS OF VOLUME DUE TO THE REMOVAL OF ORGANIC MATERIAL HAS ALSO NOT BEEN FACTORED INTO THE DREDGE AND FILL QUANTITIES.



Date: December 13, 2016
 Revised:

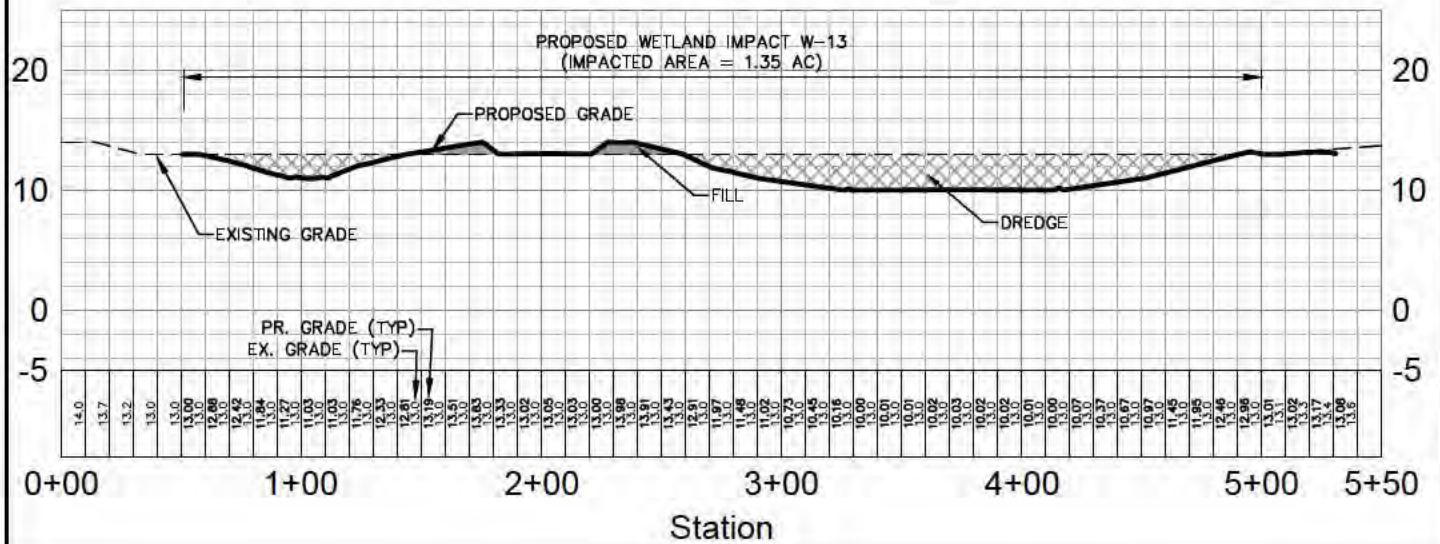
SAJ 2015-03799
 Sheet 20
 Plan and Section Views of Proposed Impact to
 Wetland 12 (W-12)
LAKE FLORES DEVELOPMENT
 MANATEE COUNTY, FL

CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
 PHONE (407) 960-5980 FAX (407) 960-5983



*WETLAND IMPACT LIMITED TO RIGHT OF WAY

Station



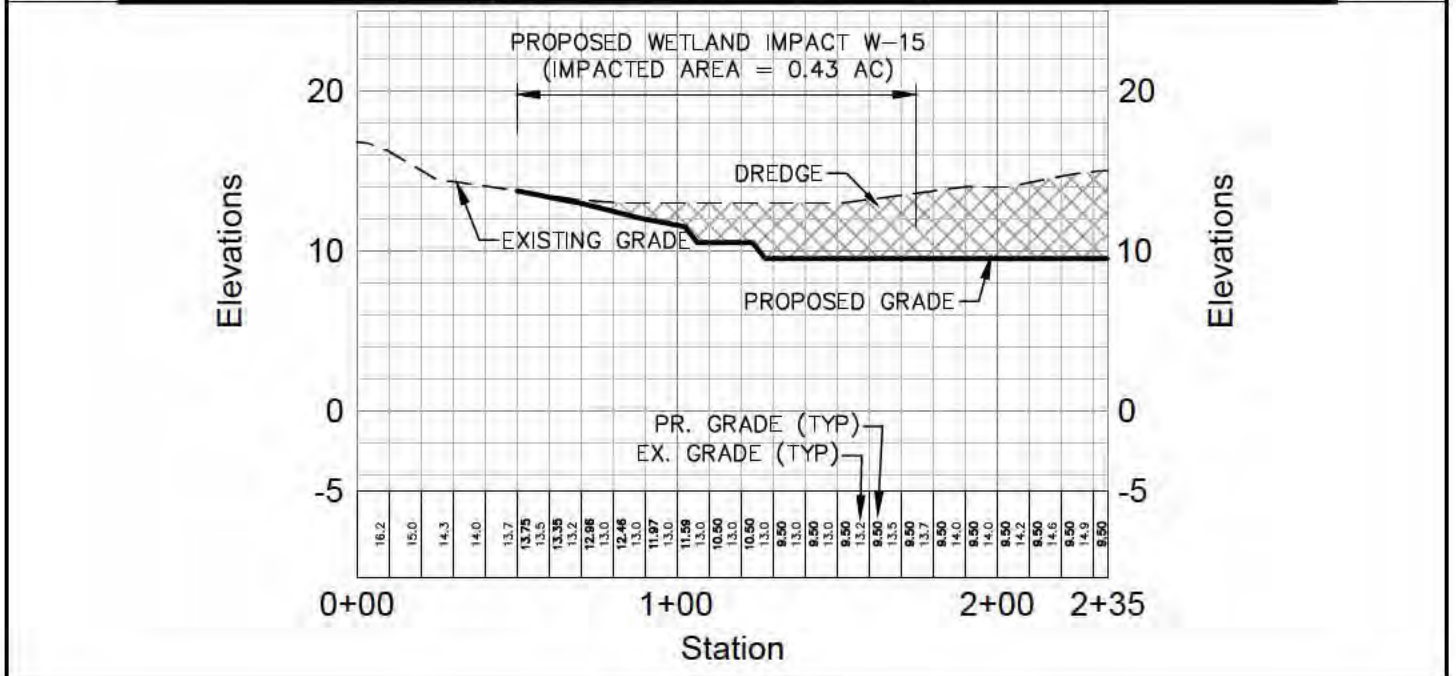
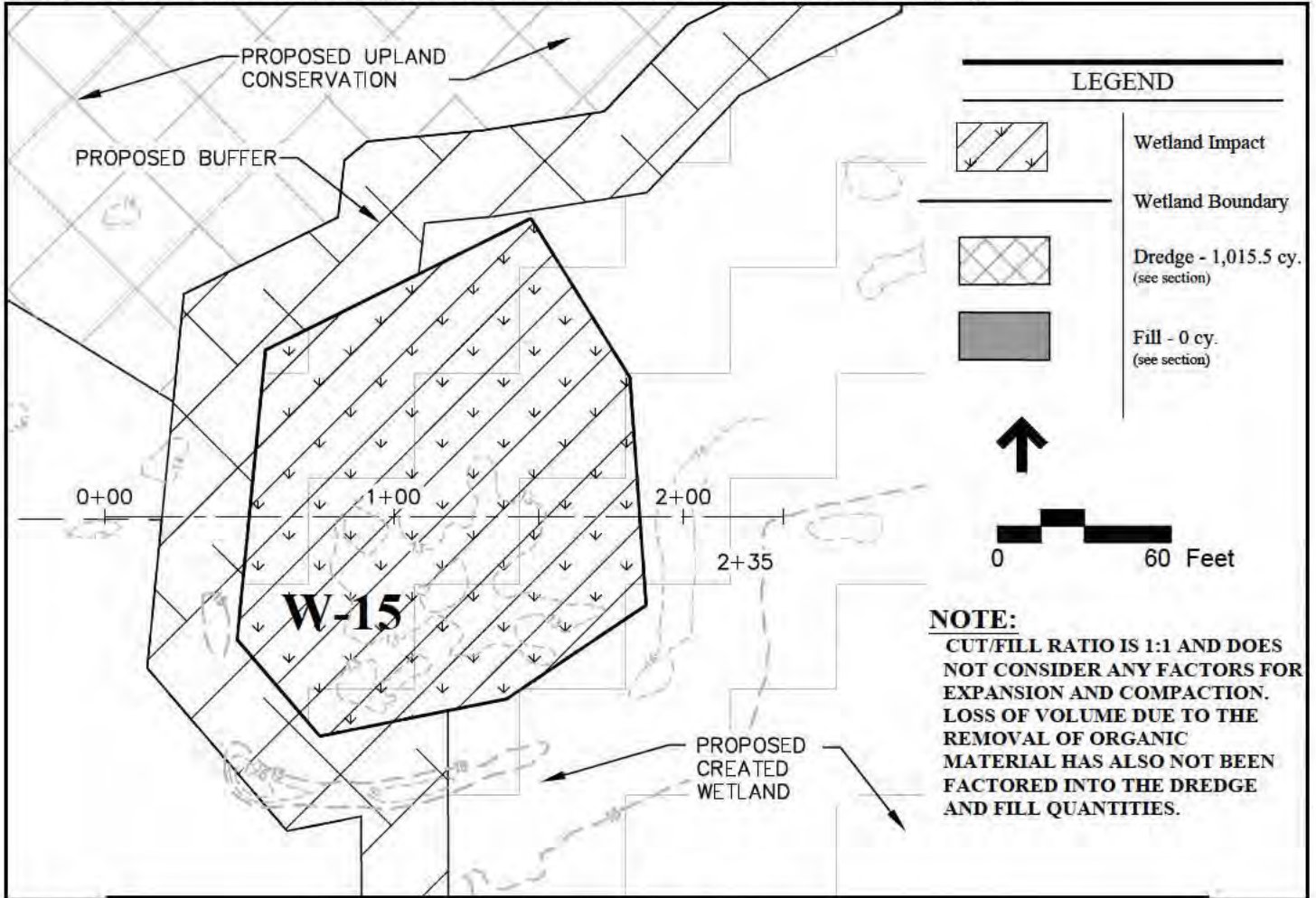
Date: December 13, 2016

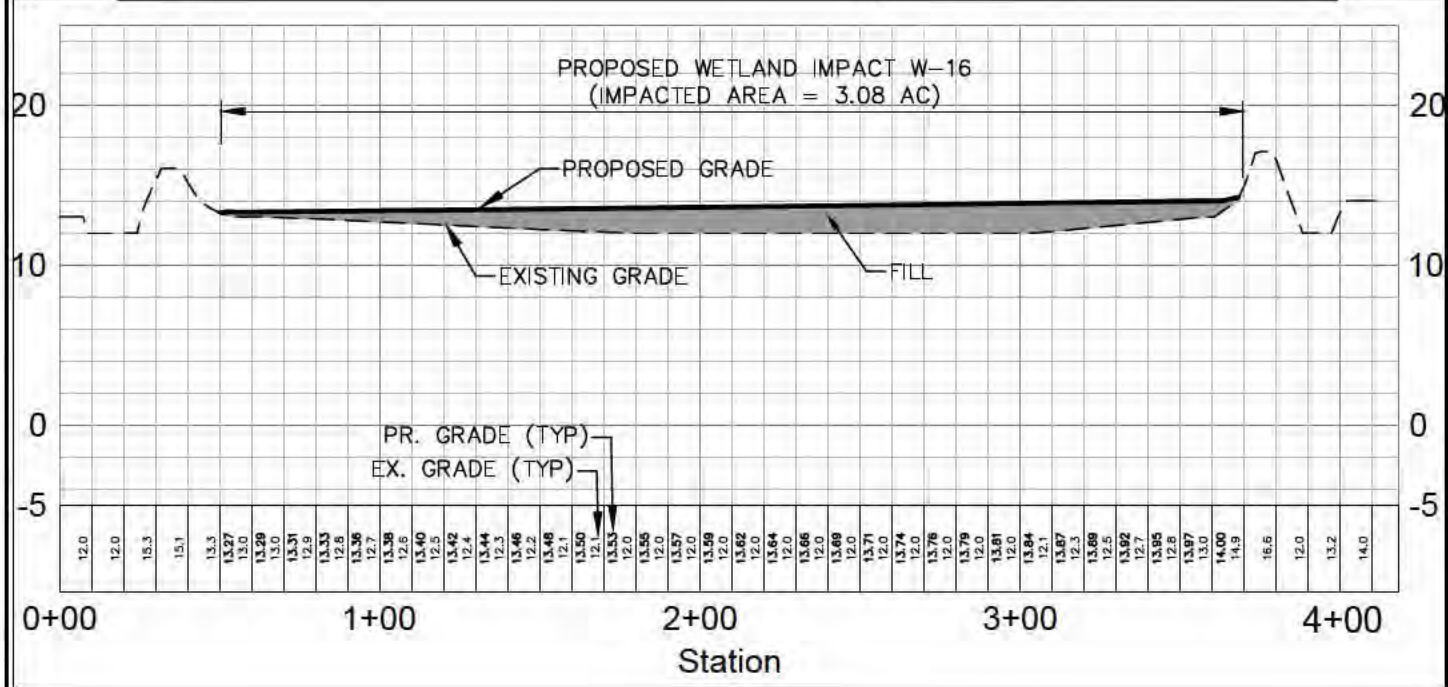
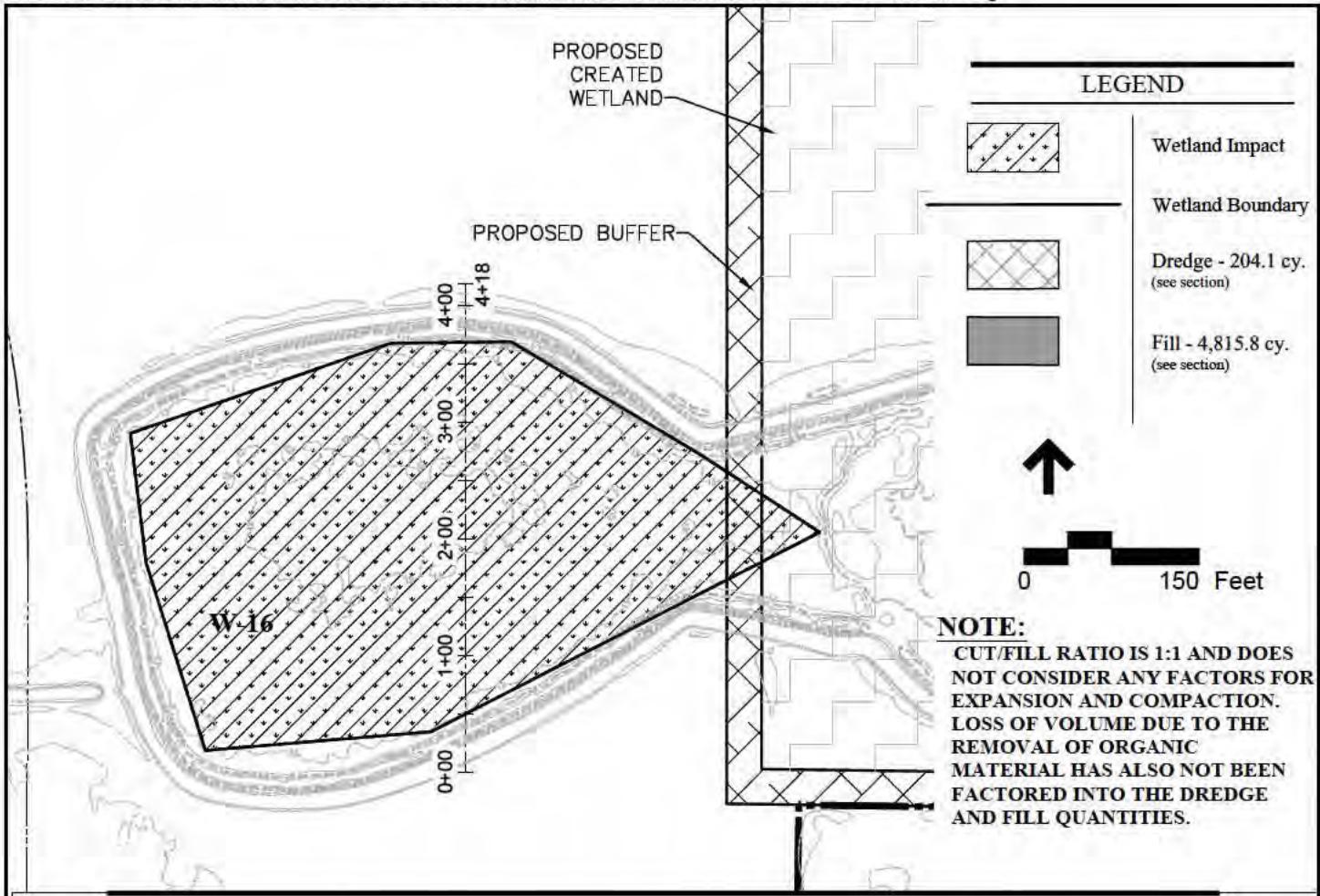
Revised:


SAJ 2015-03799
 Sheet 21
 Plan and Section Views of Proposed Impact
 to Wetland 13 (W-13)
LAKE FLORES DEVELOPMENT
 MANATEE COUNTY, FL

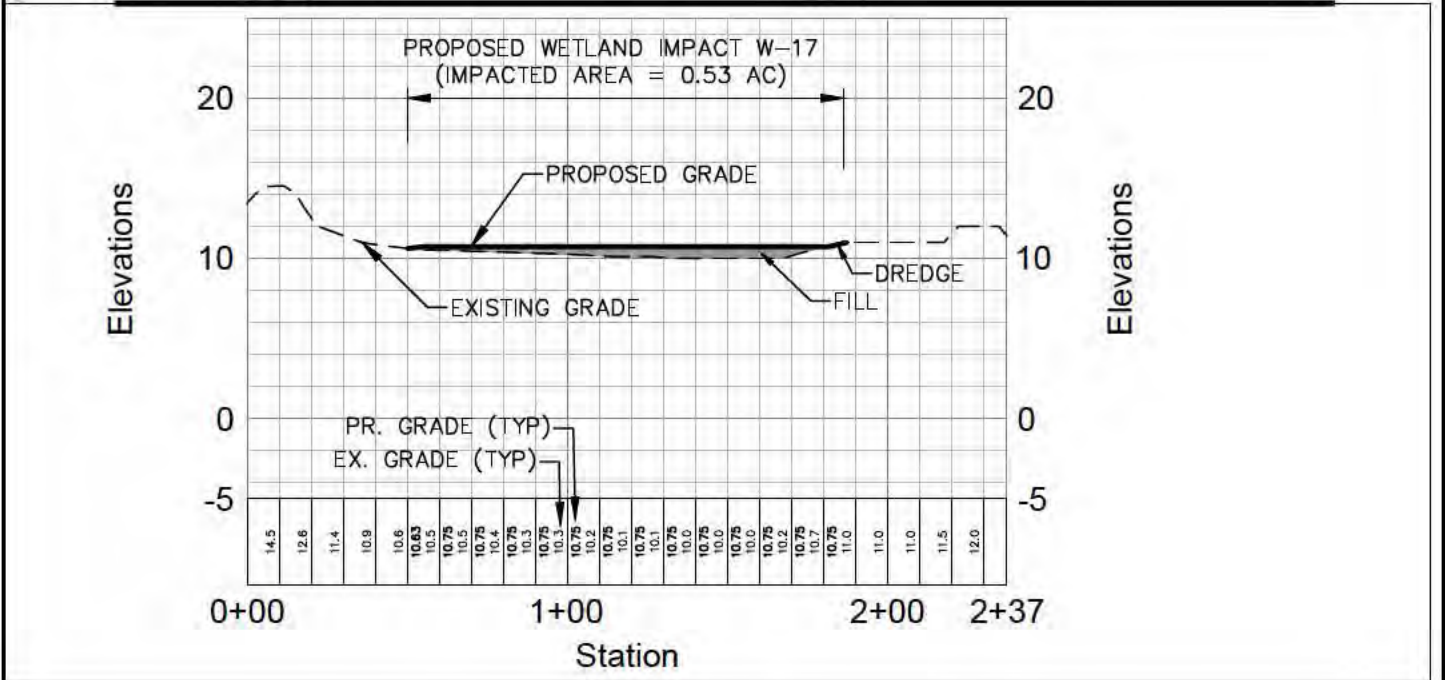
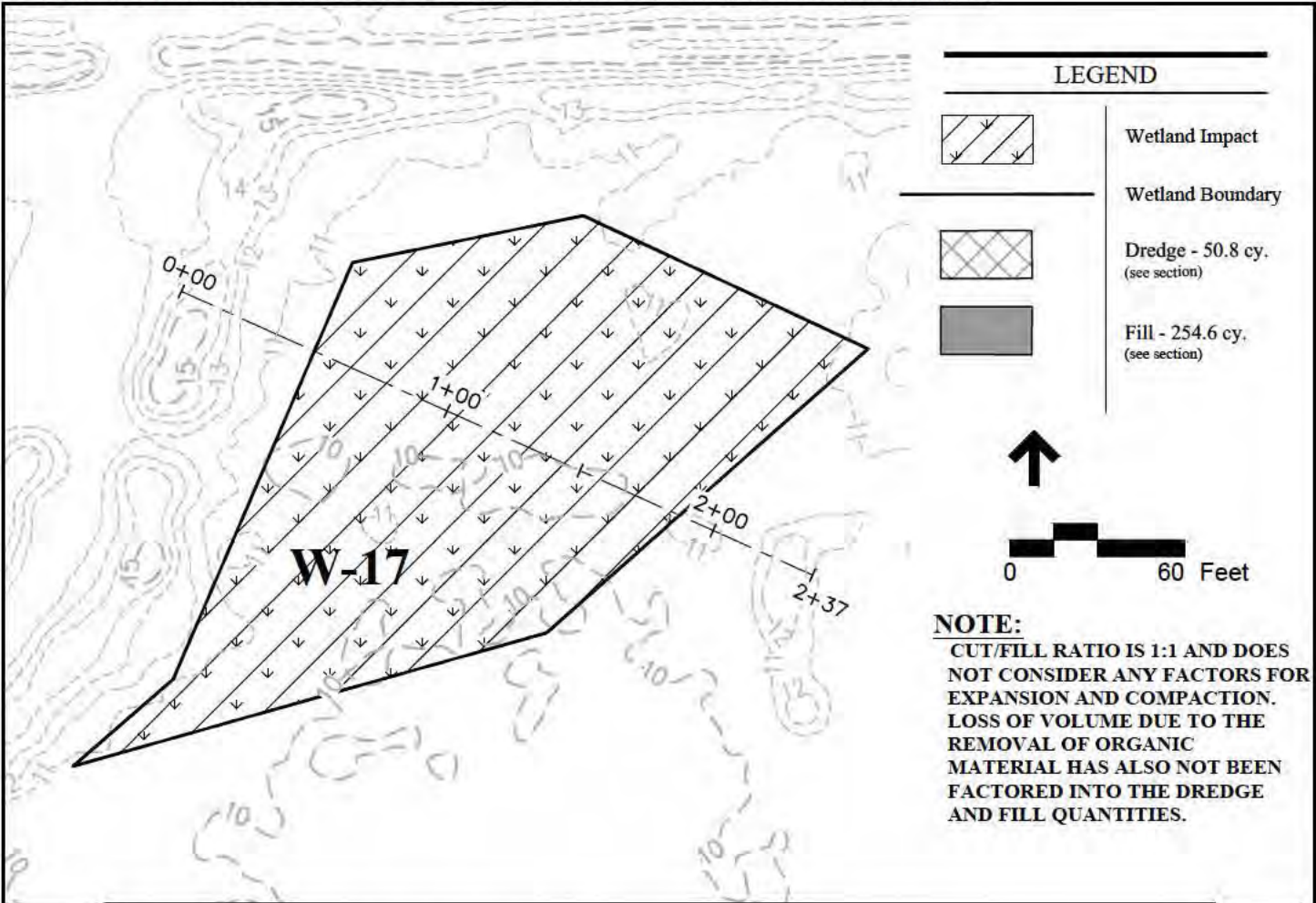


CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
 PHONE 1407/960-5980 FAX 1407/960-5983





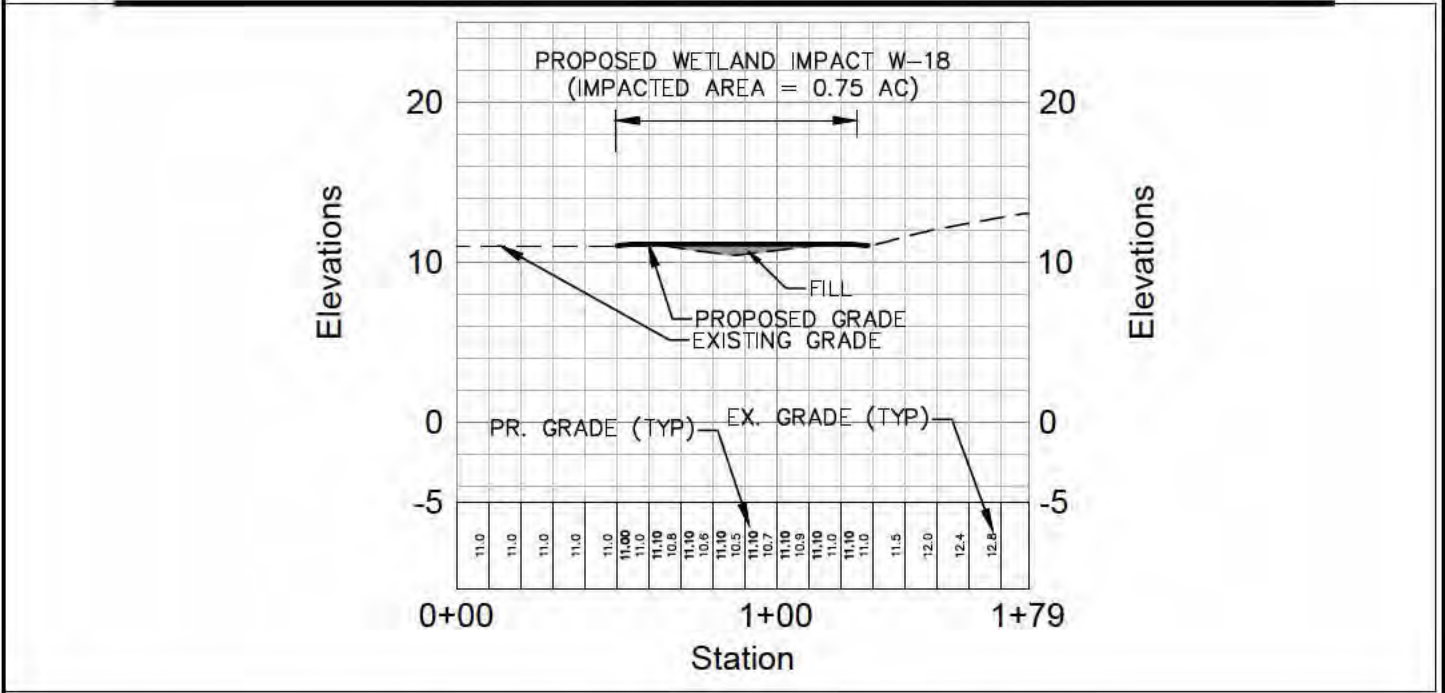
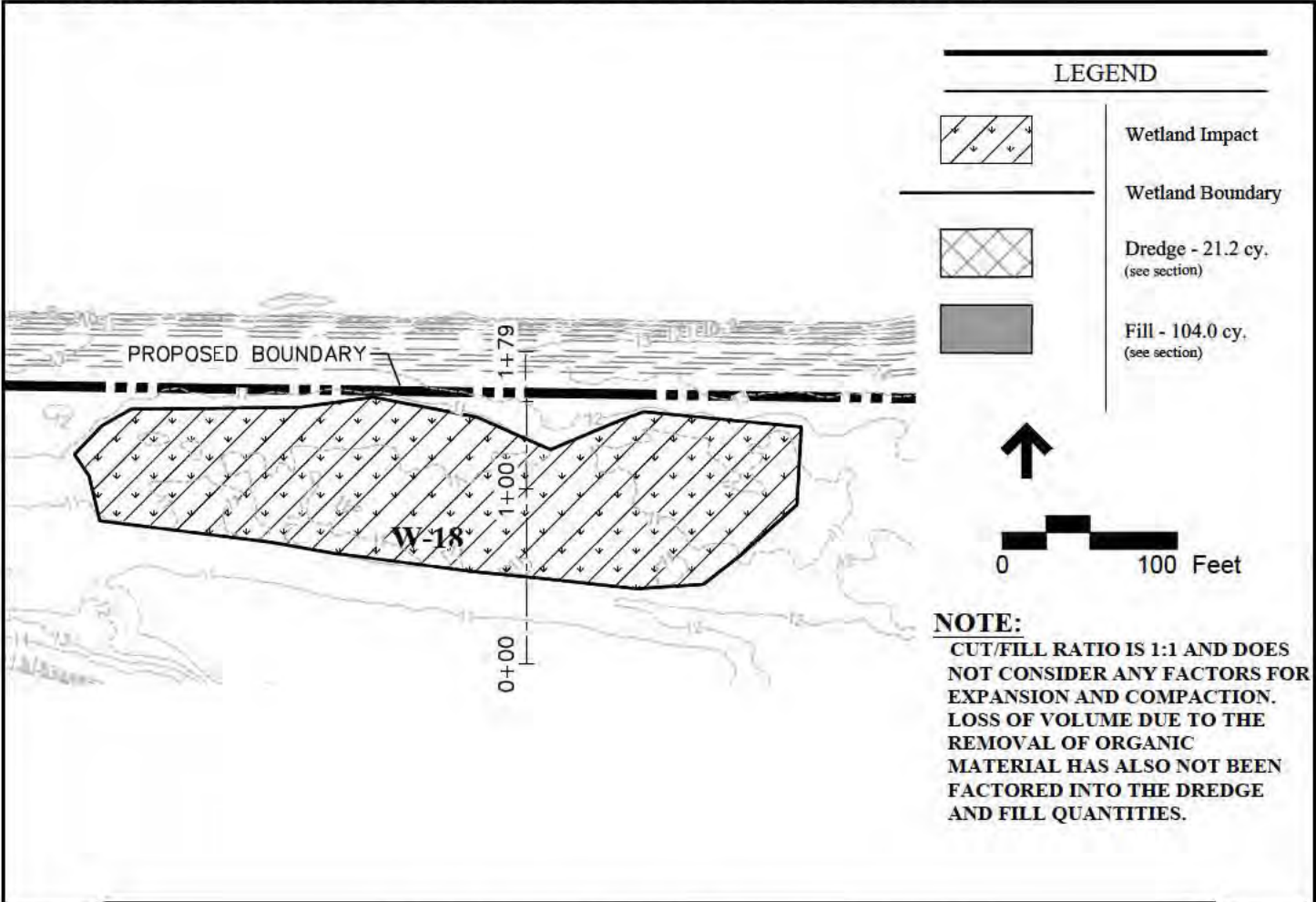
<p>Date: December 13, 2016</p> <p>Revised:</p>	<p>SAJ 2015-03799 Sheet 23 Plan and Section Views of Proposed Impact to Wetland 16 (W-16) LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL</p>	 <p>CARNAHAN PROCTOR CROSS, INC. CONSULTING ENGINEERS • SURVEYORS • PLANNERS 504 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804 PHONE (407) 960-5980 FAX (407) 960-5983</p>
--	--	--



Date: December 13, 2016
 Revised:

SAJ 2015-03799
 Sheet 24
 Plan and Section Views of Proposed Impact to
 Wetland 17 (W-17)
LAKE FLORES DEVELOPMENT
 MANATEE COUNTY, FL

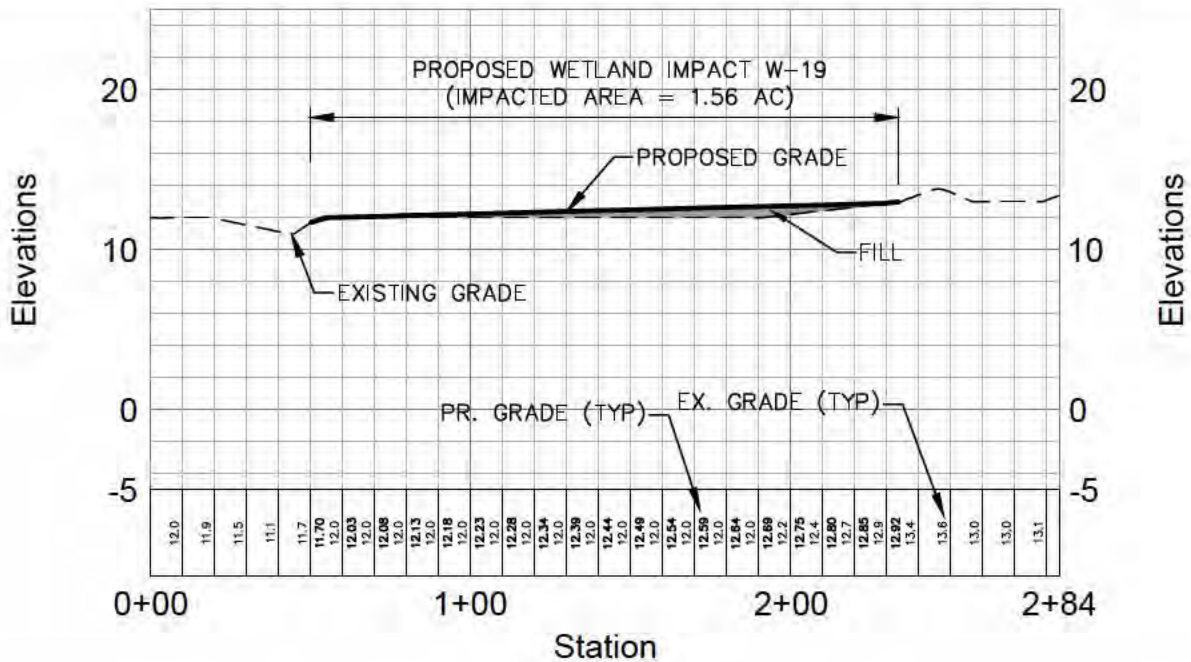
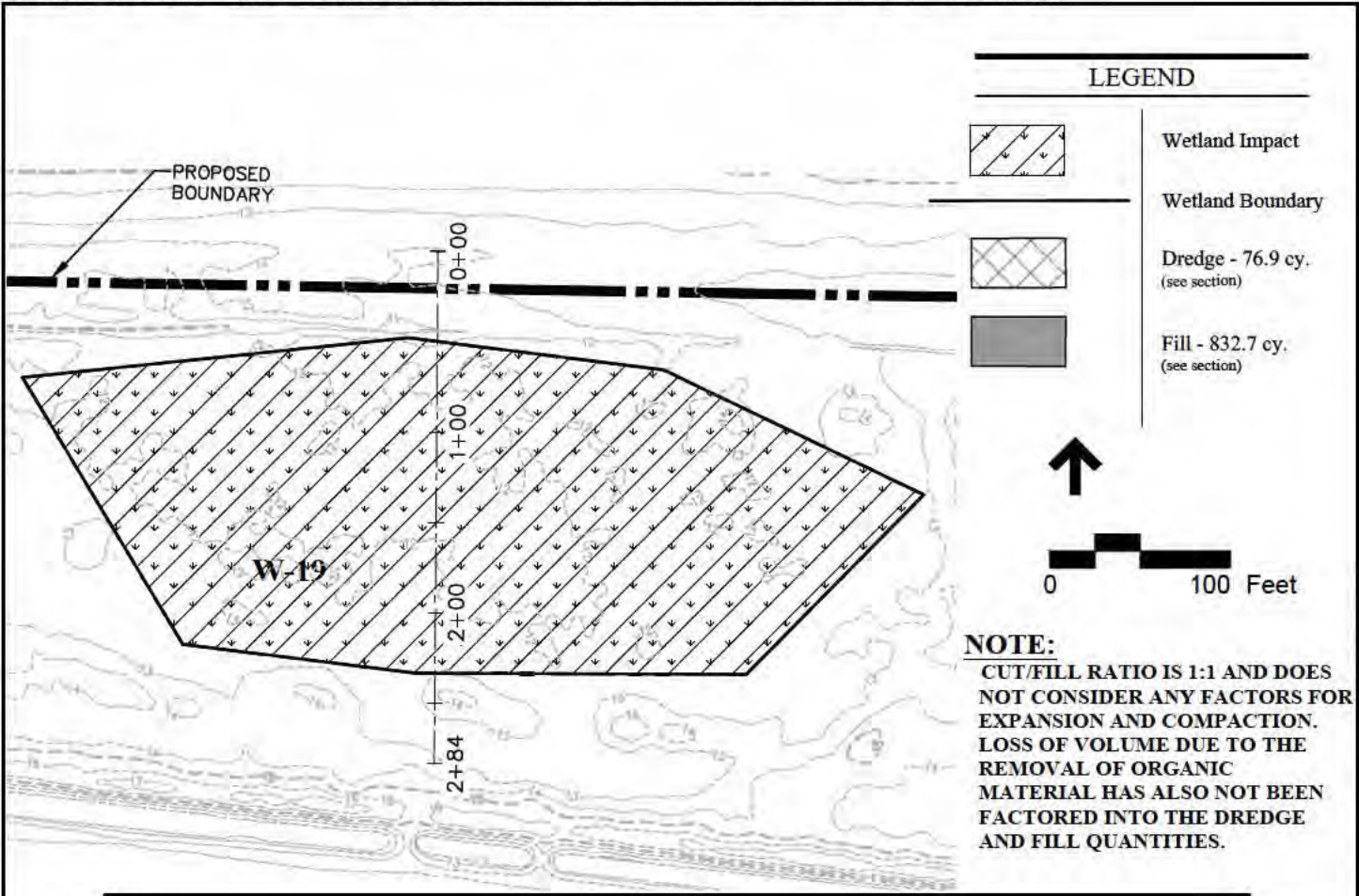
CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
 PHONE (407) 960-5980 FAX (407) 960-5983



Date: December 13, 2016
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
604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
PHONE (407) 960-5980 FAX (407) 960-5983



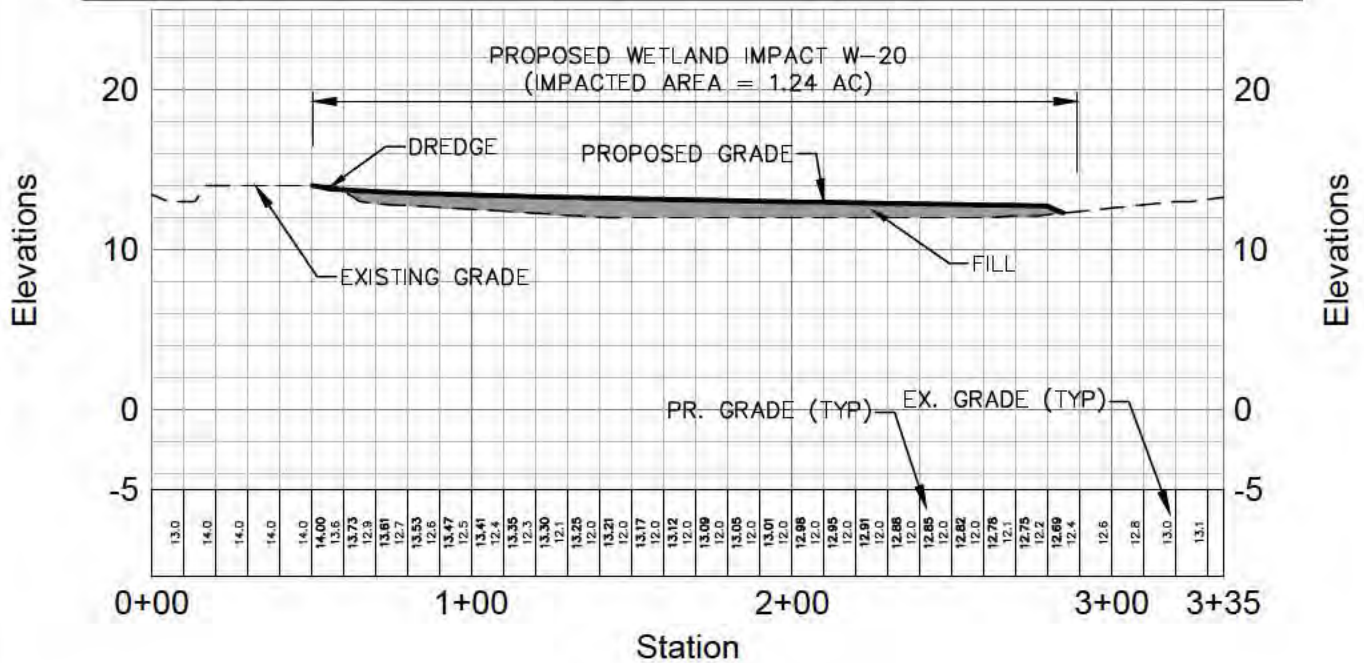
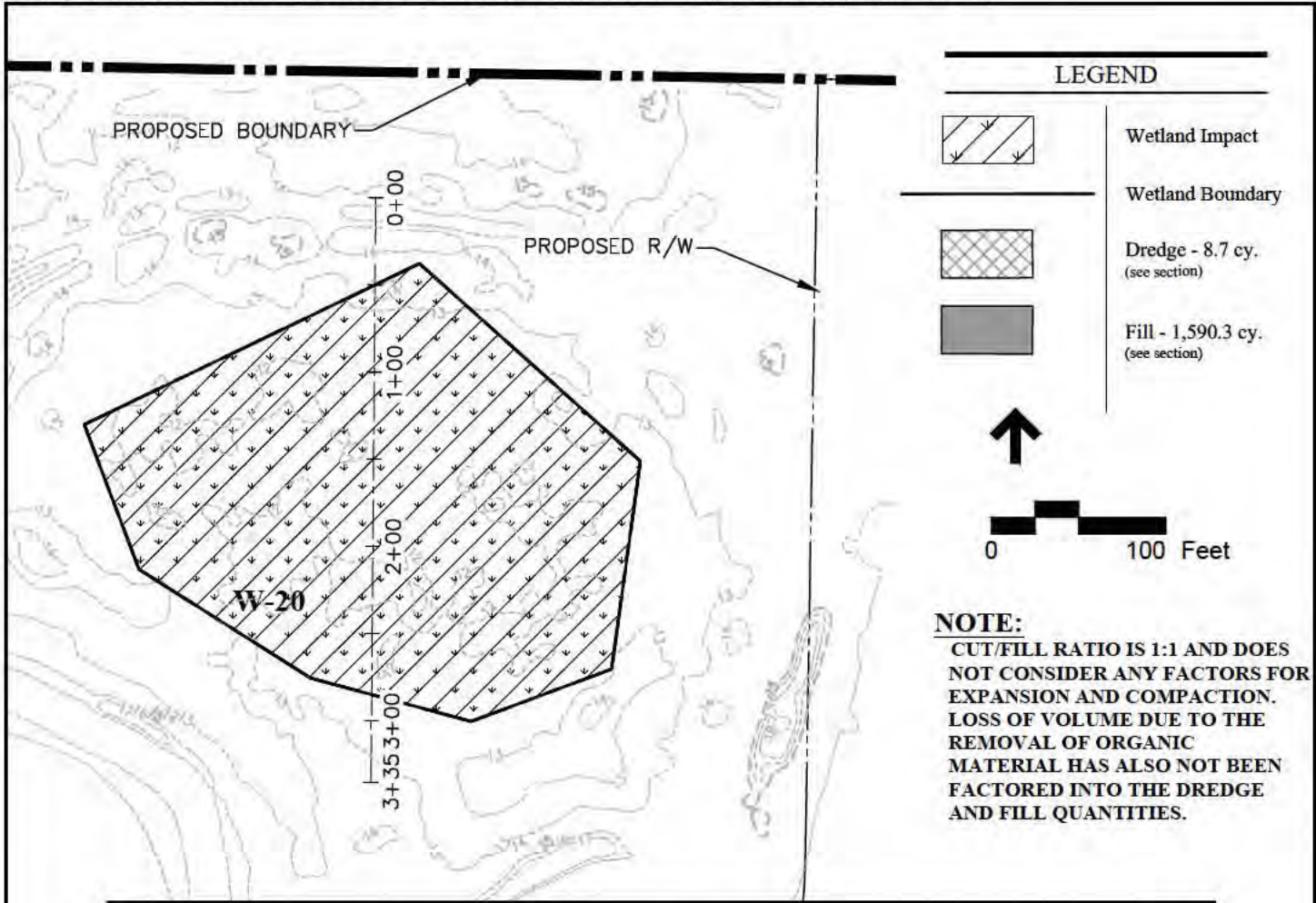
Date: December 13, 2016


Revised:

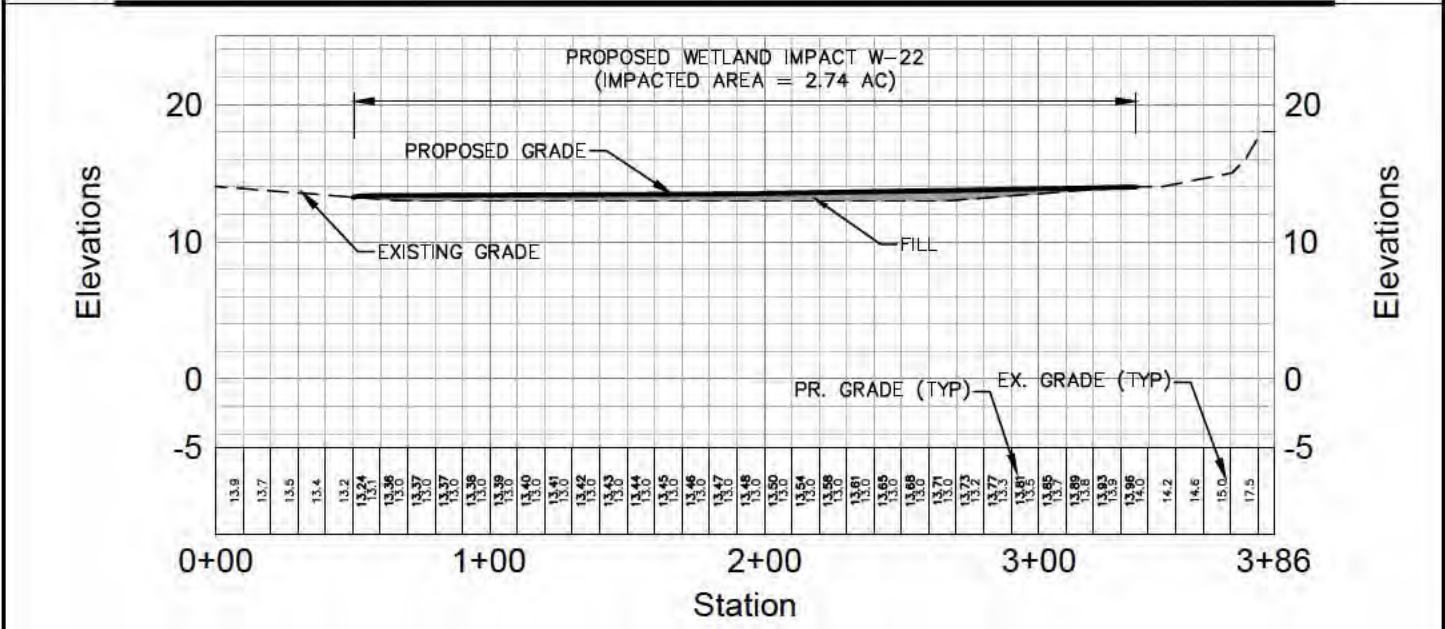
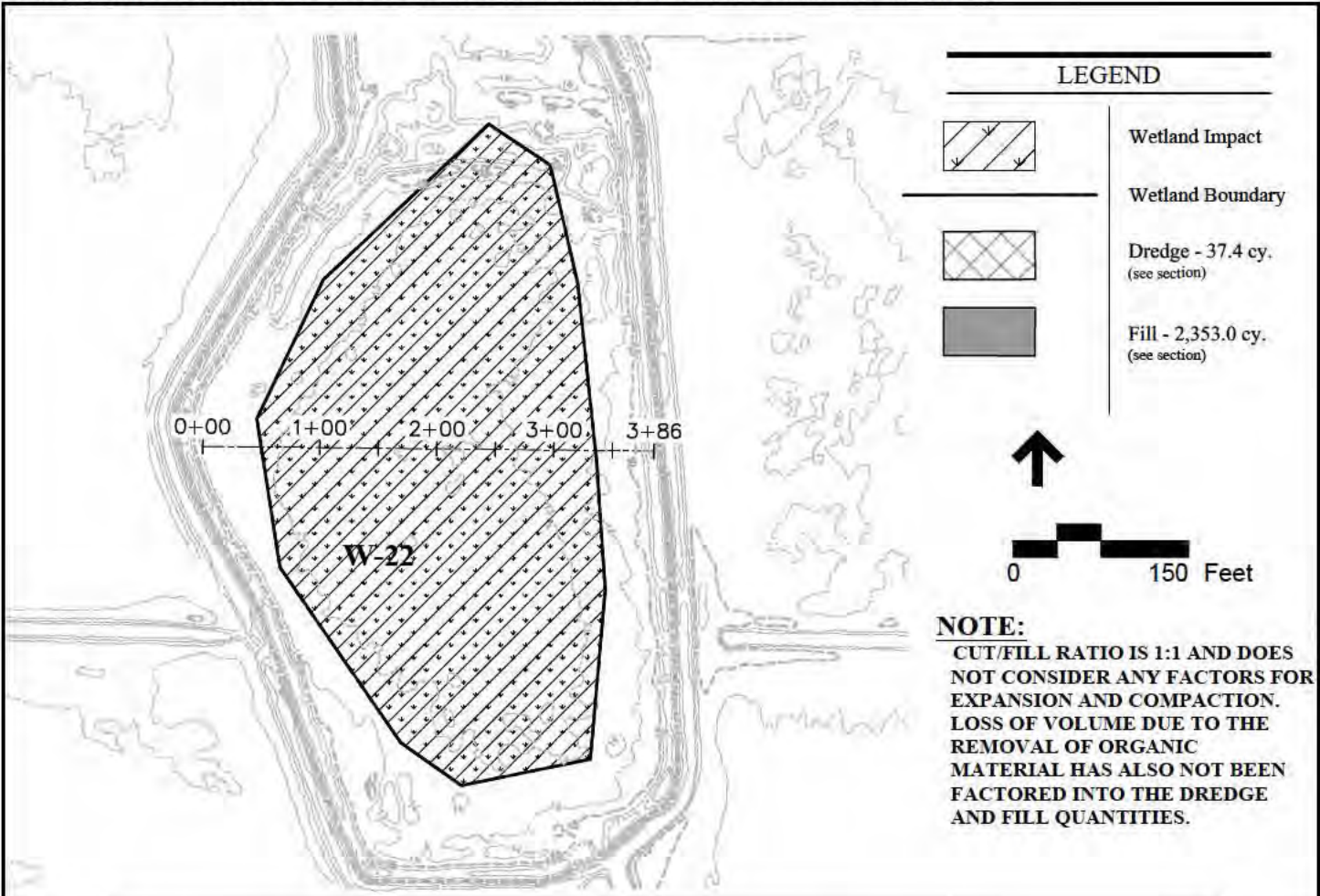
SAJ 2015-03799
 Sheet 26
 Plan and Section Views of Proposed Impact
 to Wetland 19 (W-19)
LAKE FLORES DEVELOPMENT
 MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
 PHONE (407) 960-5980 FAX (407) 960-5983



<p>Date: December 13, 2016</p> <p>Revised:</p>	<p>SAJ 2015-03799 Sheet 27 Plan and Section Views of Proposed Impact to Wetland 20 (W-20) LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL</p>	 <p>CARNAHAN PROCTOR CROSS, INC. CONSULTING ENGINEERS • SURVEYORS • PLANNERS 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804 PHONE (407) 960-5980 FAX (407) 960-5983</p>
--	--	--

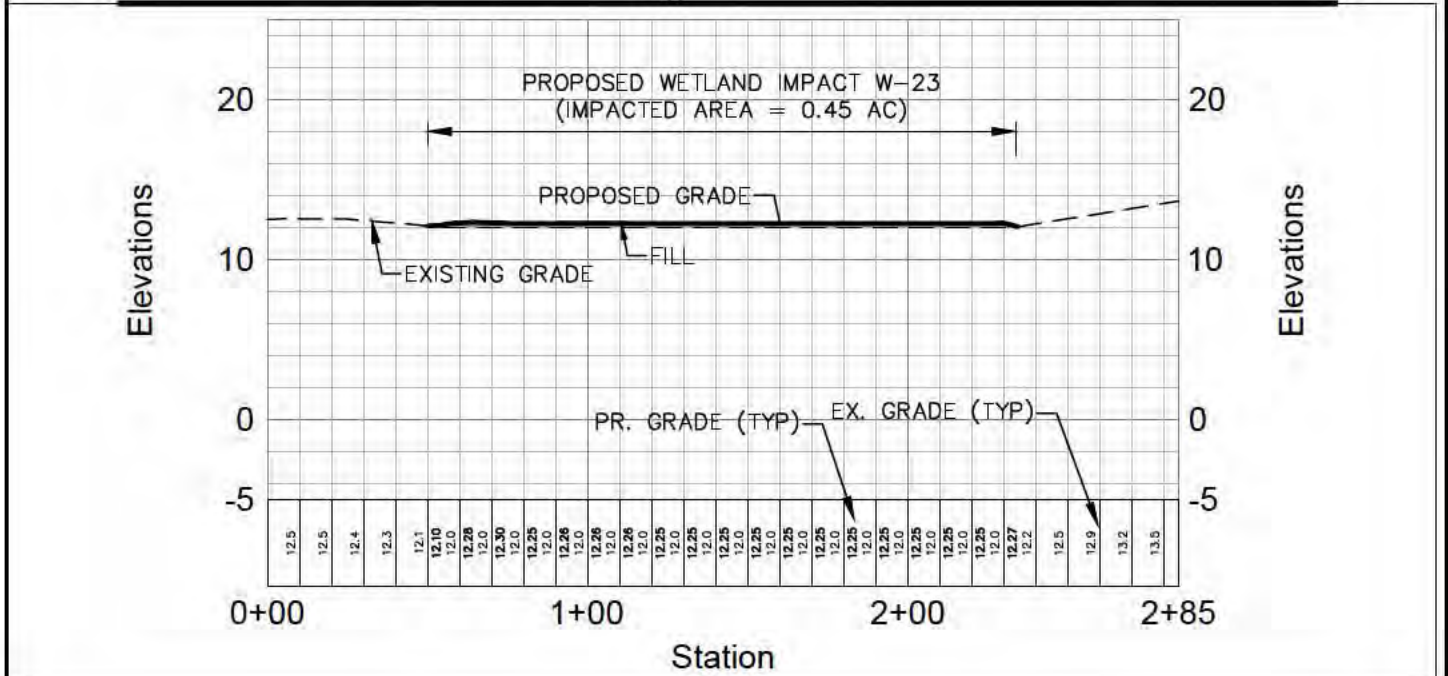
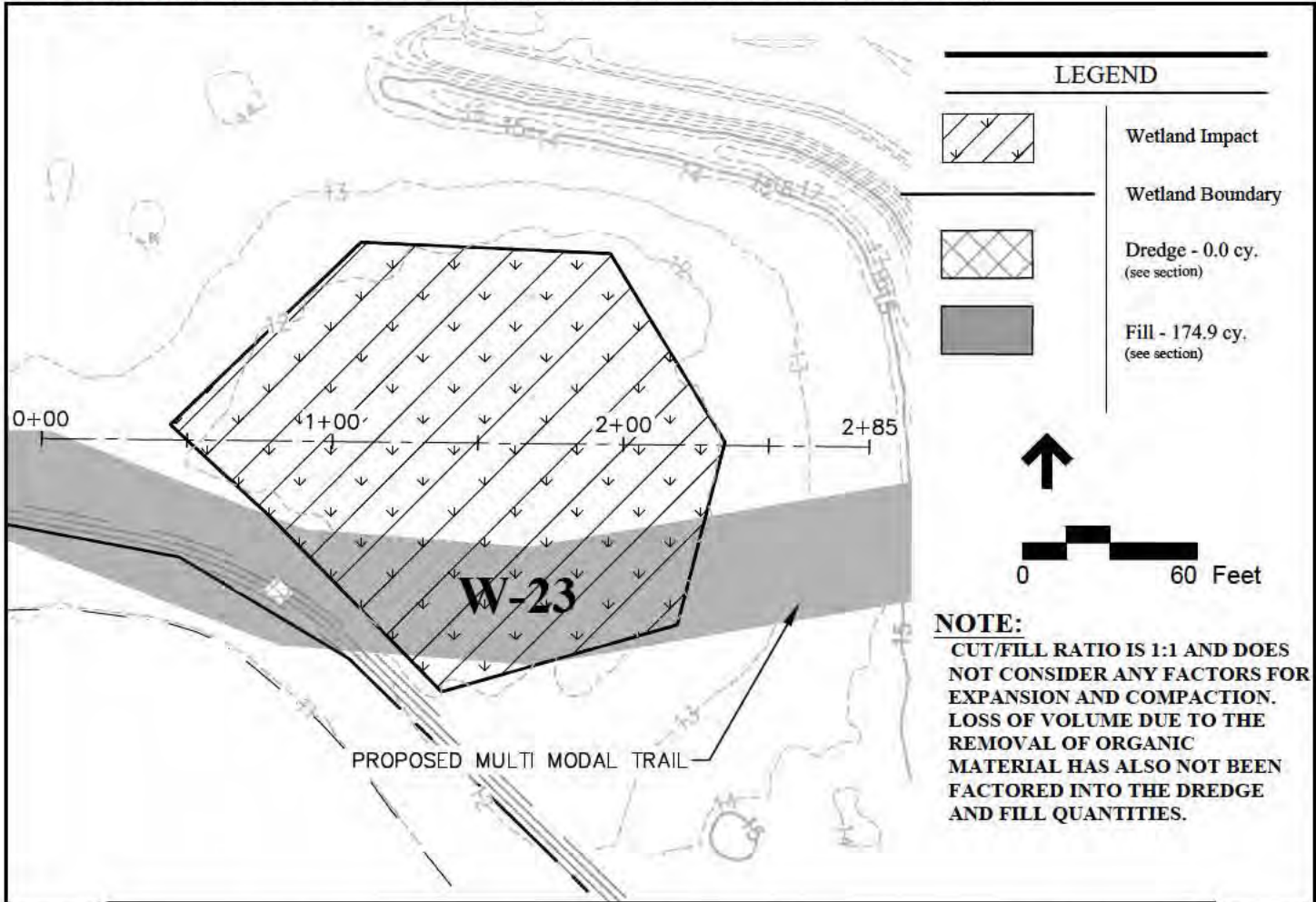



Date: December 13, 2016
 Revised:

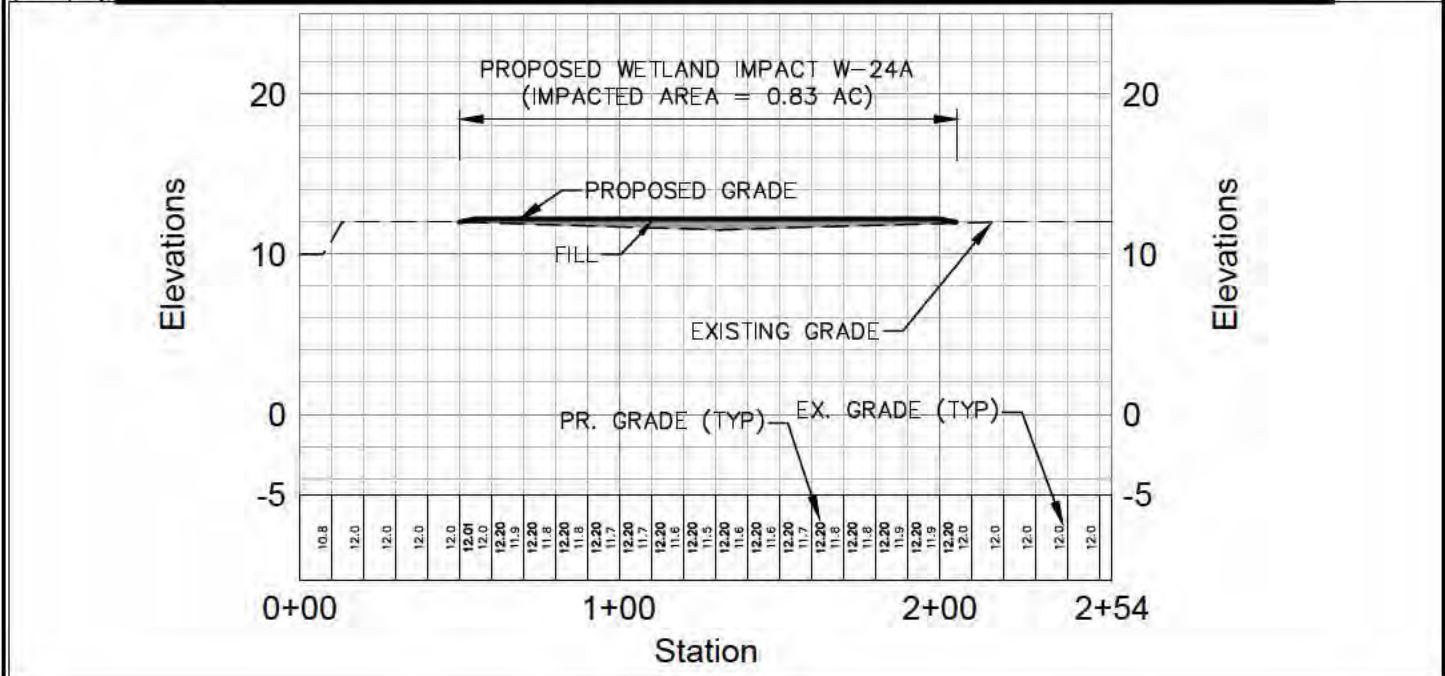
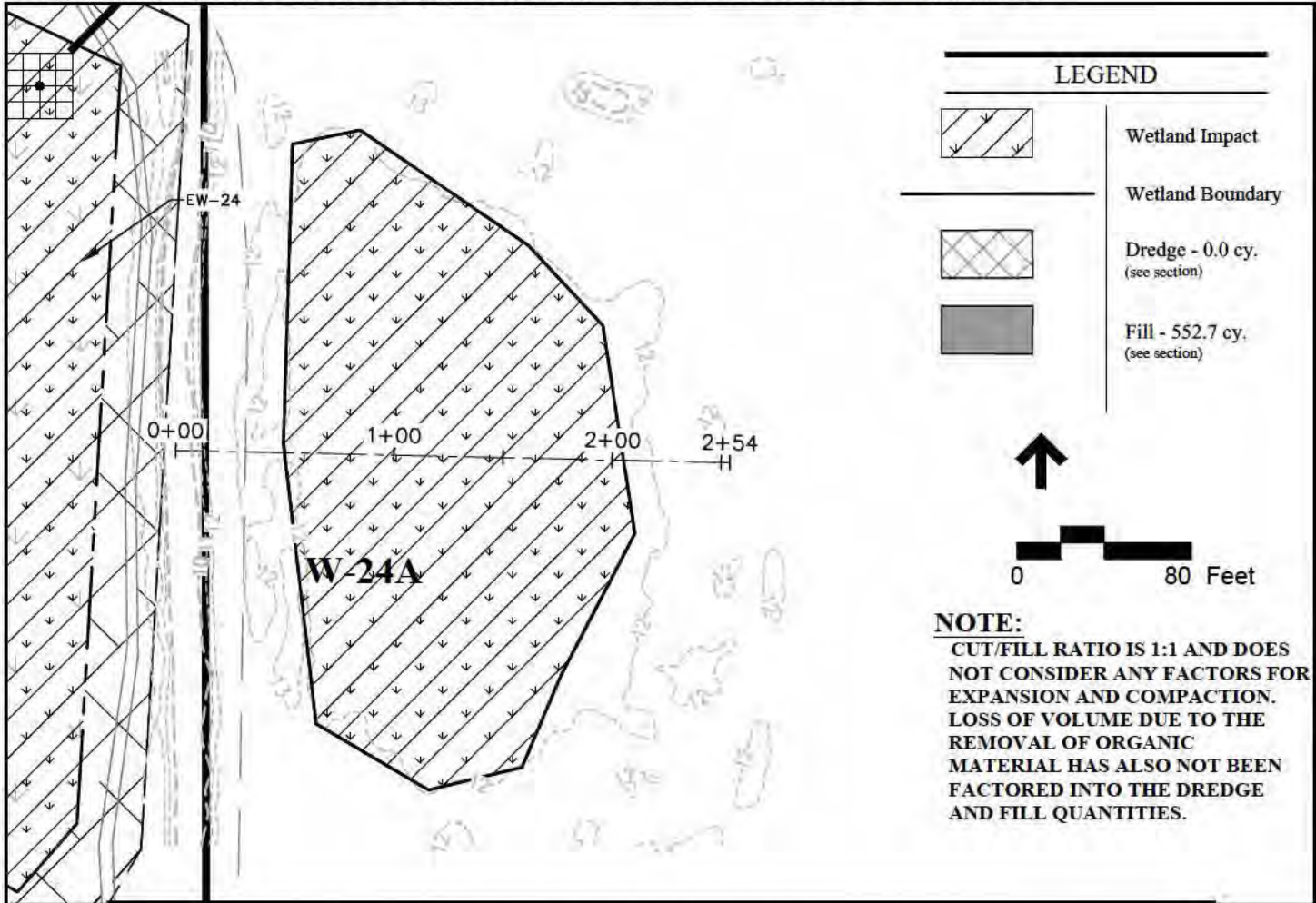
SAJ 2015-03799
 Sheet 28
 Plan and Section Views of Proposed Impact to
 Wetland 22 (W-22)
LAKE FLORES DEVELOPMENT
 MANATEE COUNTY, FL



CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
 PHONE (407) 960-5980 FAX (407) 960-5983



<p>Date: December 13, 2016</p> <p>Revised:</p>	<p>SAJ 2015-03799 Sheet 29 Plan and Section Views of Proposed Impact to Wetland 23 (W-23) LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL</p>	 <p>CARNAHAN PROCTOR CROSS, INC. CONSULTING ENGINEERS • SURVEYORS • PLANNERS 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804 PHONE (407) 960-5980 FAX (407) 960-5983</p>
--	--	--

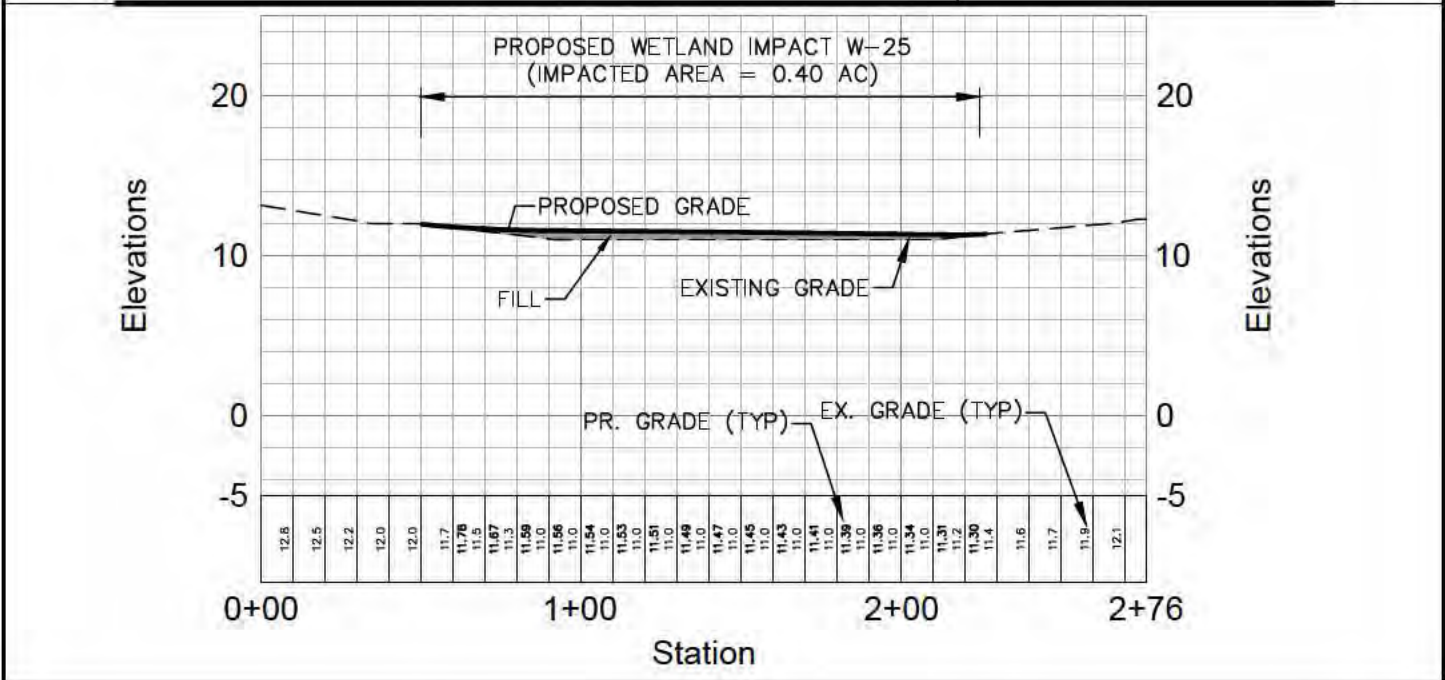
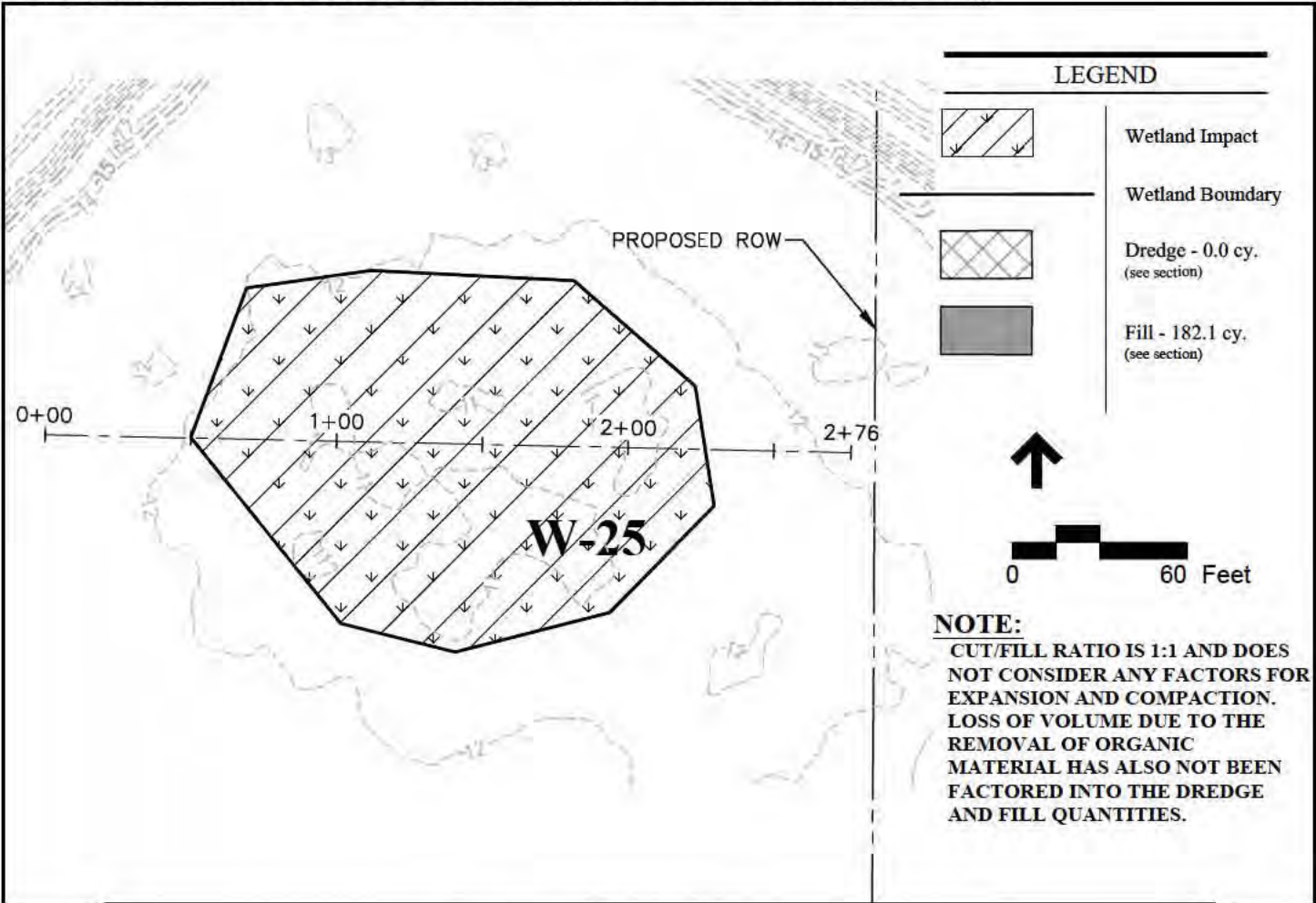



Date: December 13, 2016
 Revised:

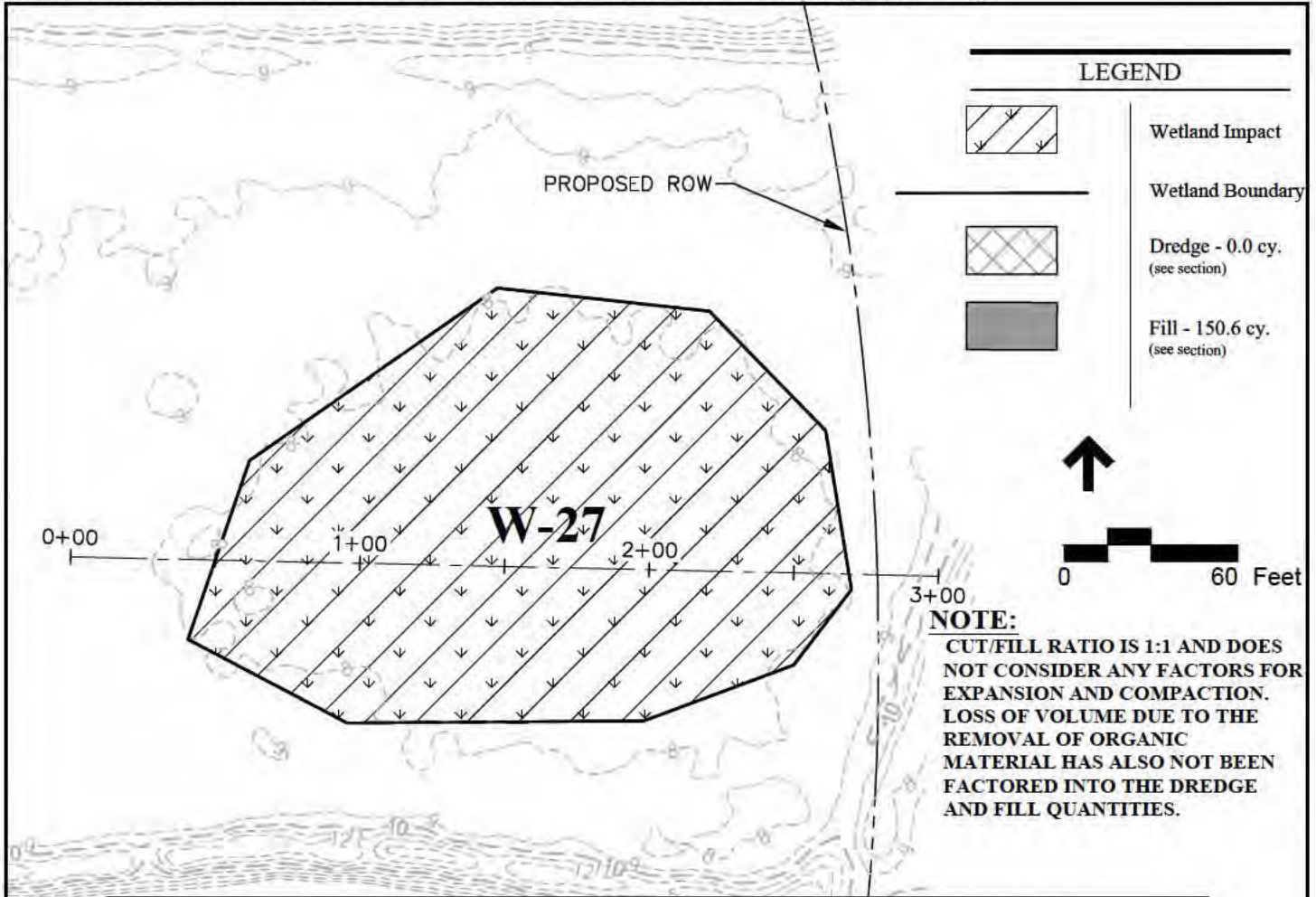
SAJ 2015-03799
 Sheet 30
 Plan and Section Views of Proposed Impact
 to Wetland 24A (W-24A)
LAKE FLORES DEVELOPMENT
 MANATEE COUNTY, FL



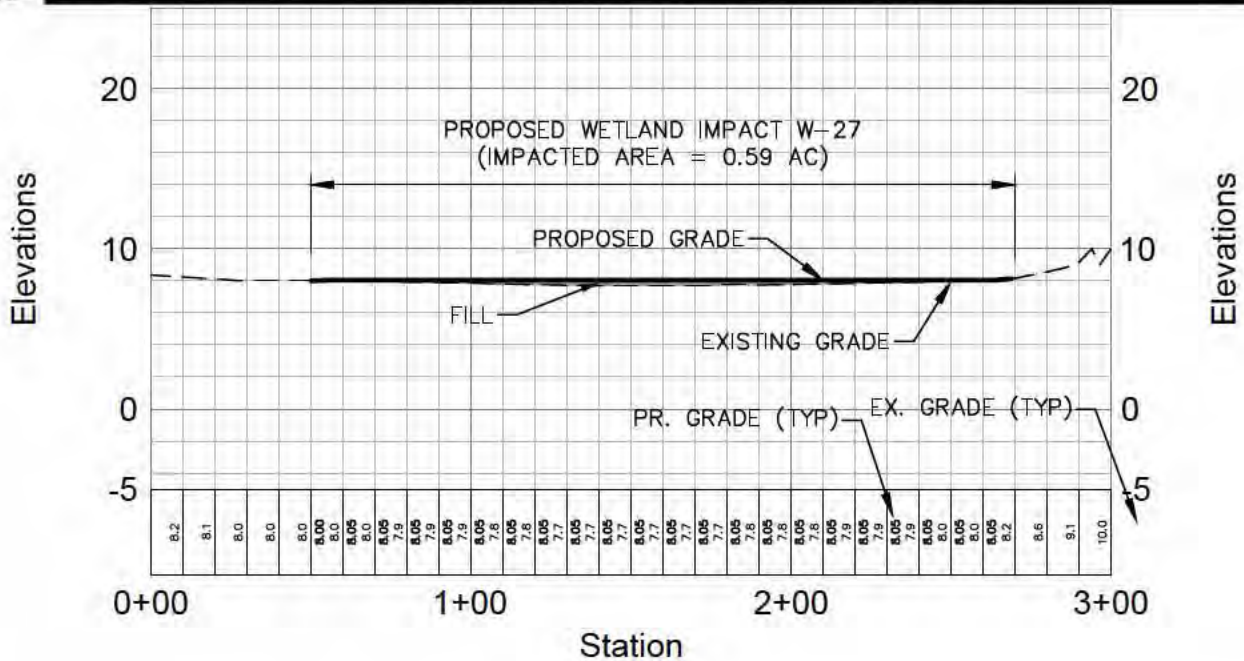
CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
 PHONE (407) 960-5980 FAX (407) 960-5983




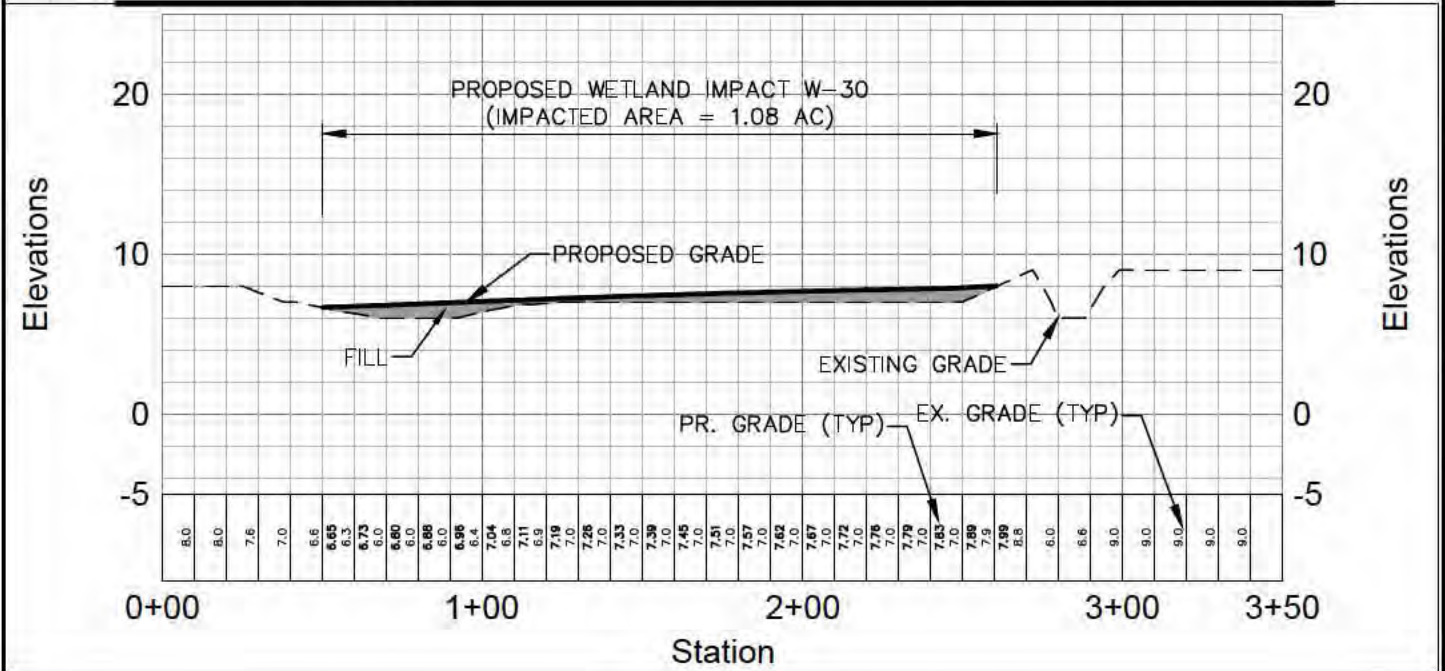
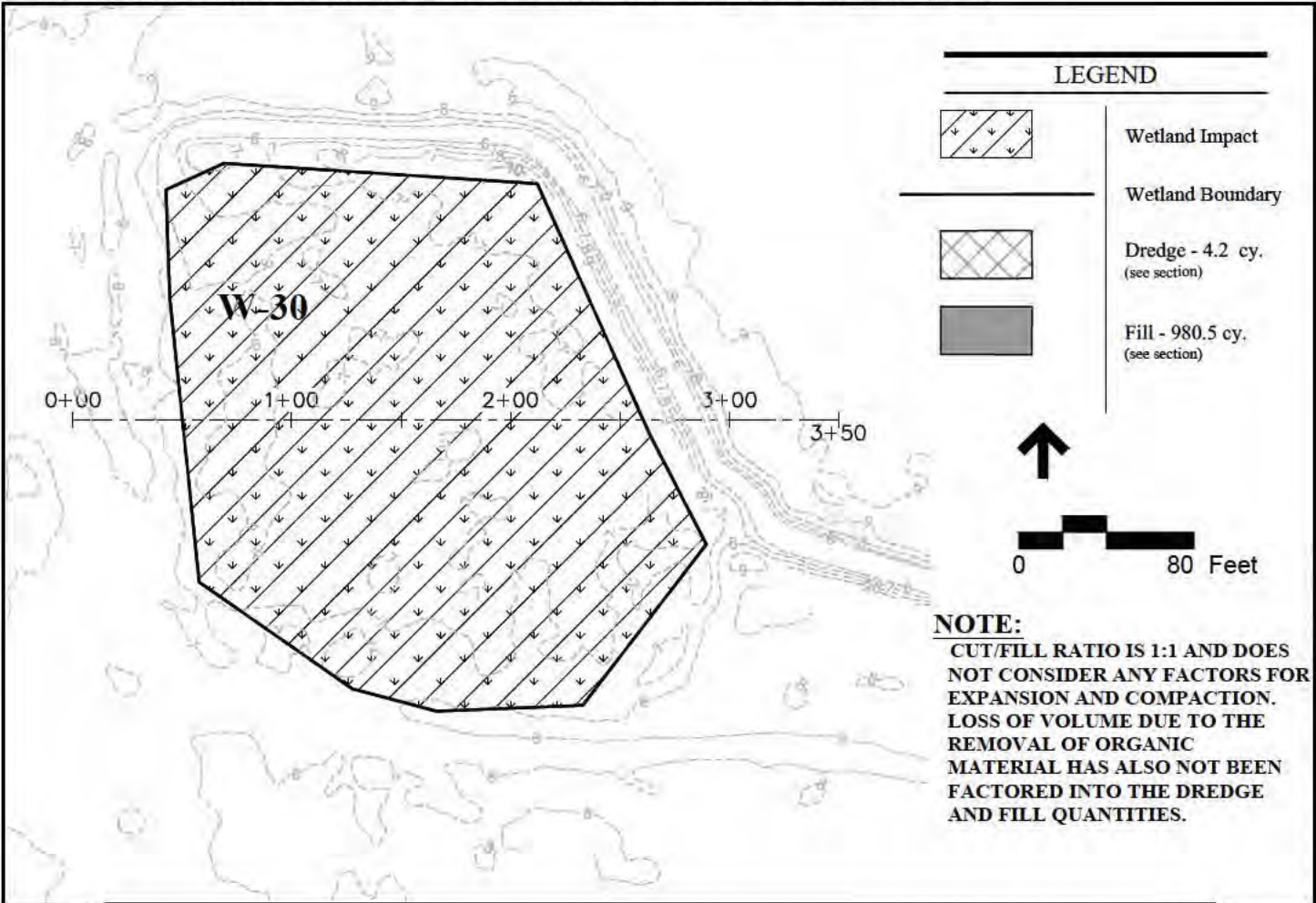
<p>Date: December 13, 2016</p> <p>Revised:</p>	<p>SAJ 2015-03799 Sheet 31 Plan and Section Views of Proposed Impact to Wetland 25 (W-25) LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL</p>	 <p>CARNAHAN PROCTOR CROSS, INC. CONSULTING ENGINEERS • SURVEYORS • PLANNERS 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804 PHONE (407) 960-5980 FAX (407) 960-5983</p>
--	--	--



NOTE:
 CUT/FILL RATIO IS 1:1 AND DOES NOT CONSIDER ANY FACTORS FOR EXPANSION AND COMPACTION. LOSS OF VOLUME DUE TO THE REMOVAL OF ORGANIC MATERIAL HAS ALSO NOT BEEN FACTORED INTO THE DREDGE AND FILL QUANTITIES.



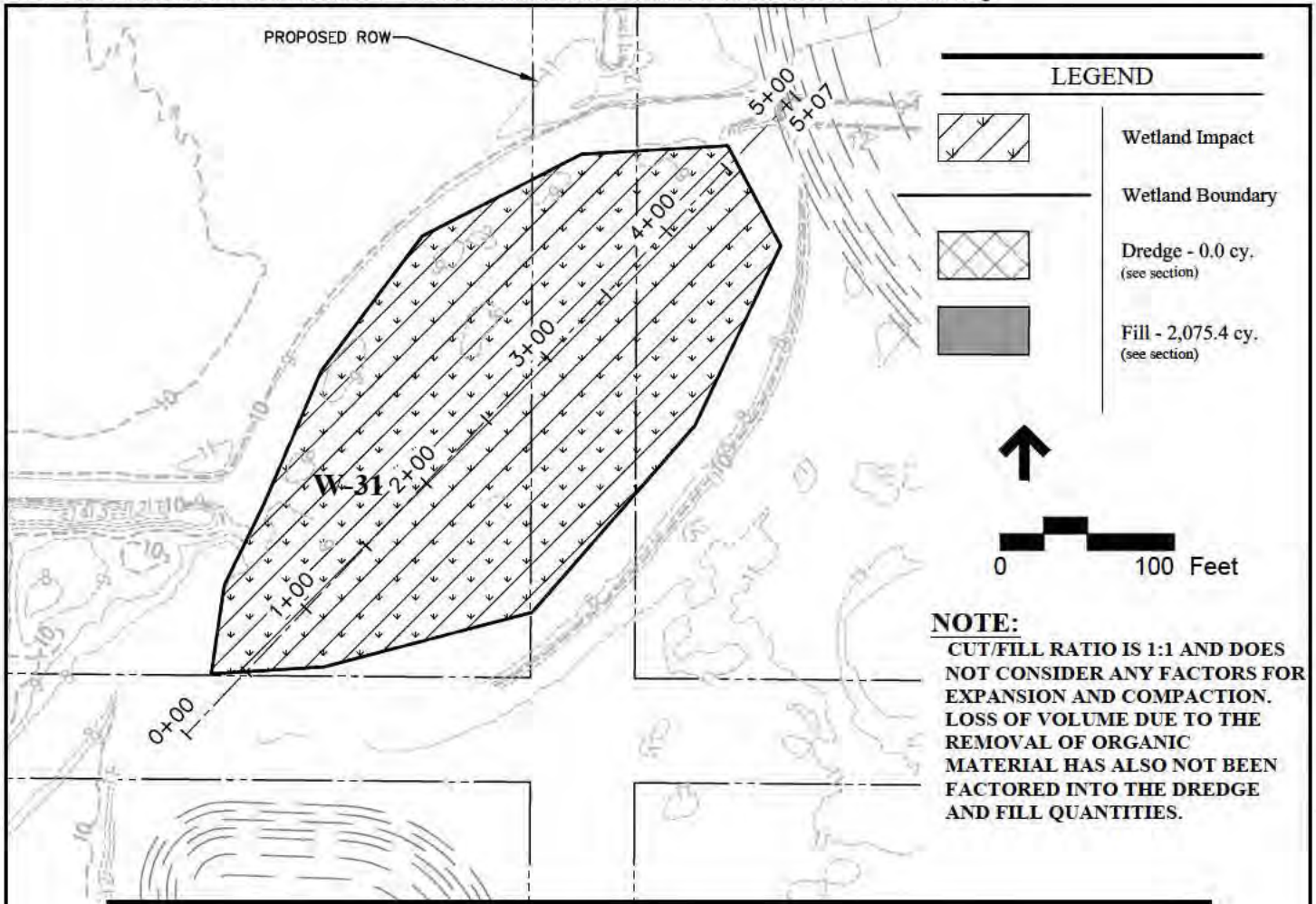
<p>Date: December 13, 2016</p> <p>Revised:</p>	<p>SAJ 2015-03799 Sheet 32 Plan and Section Views of Proposed Impact to Wetland 27 (W-27) LAKE FLORES DEVELOPMENT MANATEE COUNTY, FL</p>	 <p>CARNAHAN PROCTOR CROSS, INC. CONSULTING ENGINEERS • SURVEYORS • PLANNERS 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804 PHONE (407) 960-5980 FAX (407) 960-5983</p>
--	--	--



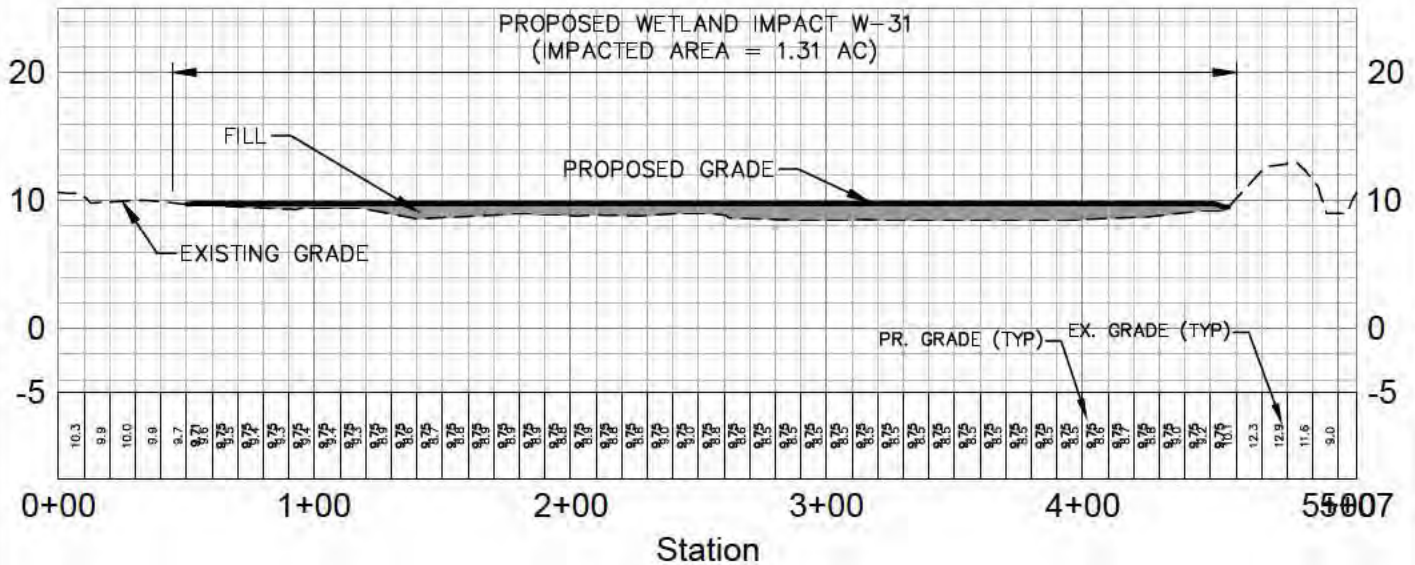
Date: December 13, 2016
 Revised:

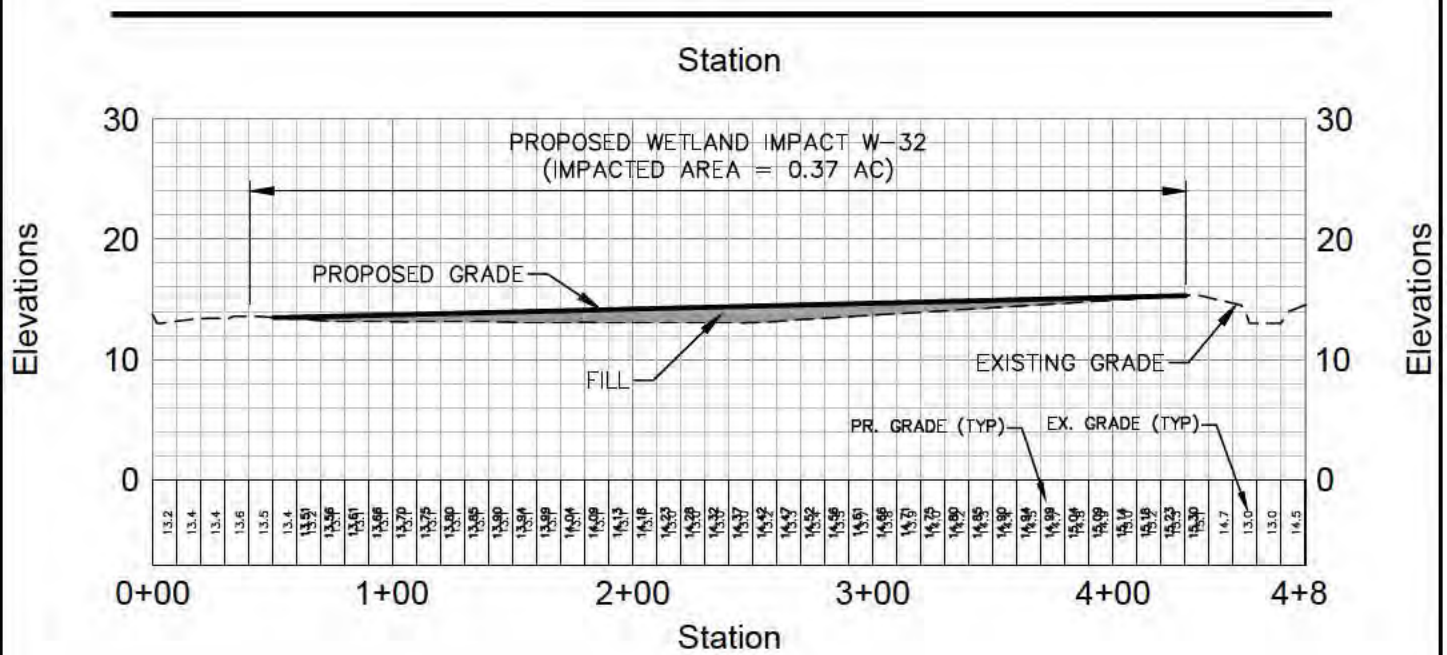
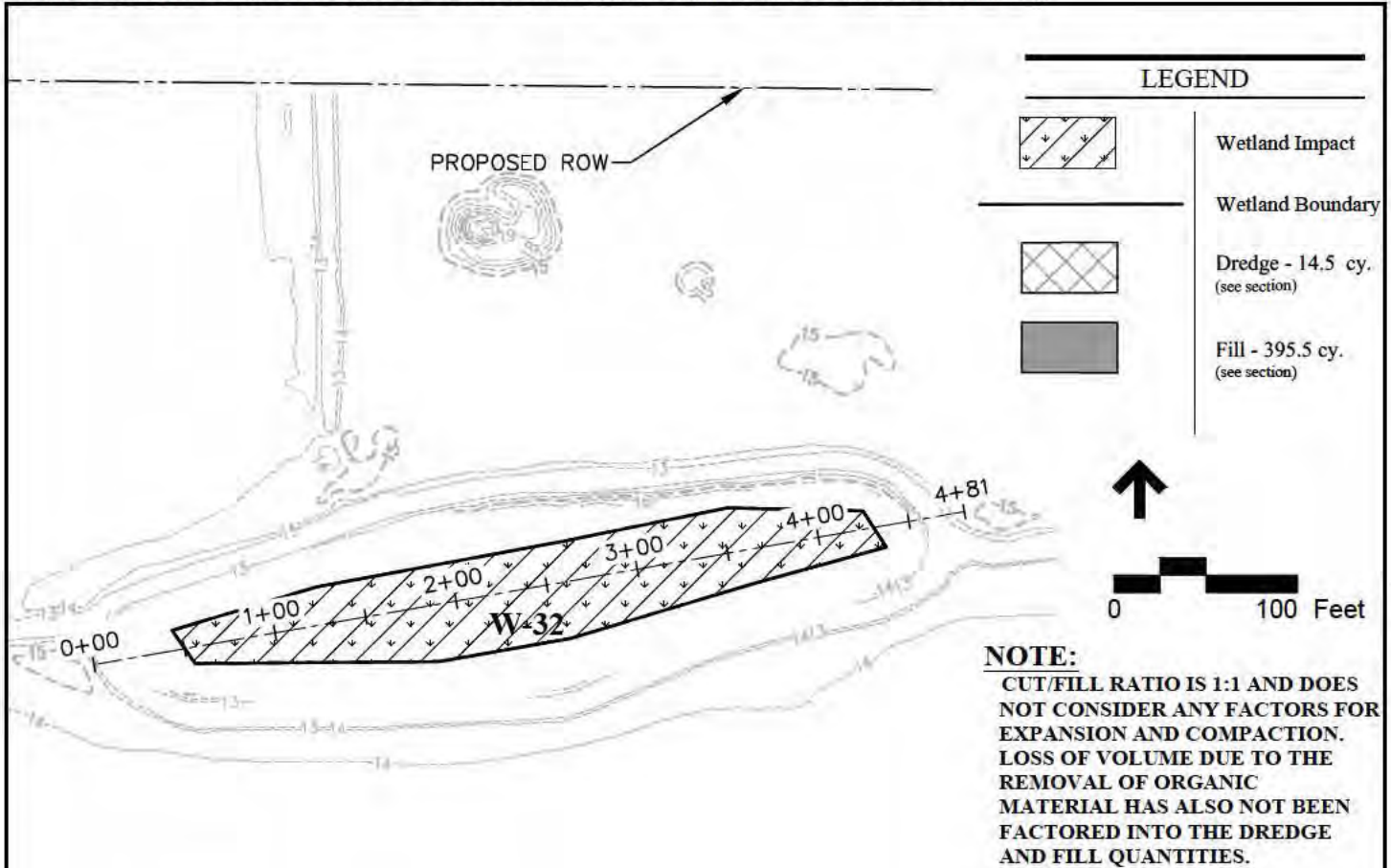
SAJ 2015-03799
 Sheet 33
 Plan and Section Views of Proposed Impact to
 Wetland 30 (W-30)
LAKE FLORES DEVELOPMENT
MANATEE COUNTY, FL

CARNAHAN PROCTOR CROSS, INC.
 CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 604 COURTLAND STREET SUITE 101, ORLANDO, FLORIDA 32804
 PHONE (407) 960-5880 FAX (407) 960-5883



NOTE:
 CUT/FILL RATIO IS 1:1 AND DOES NOT CONSIDER ANY FACTORS FOR EXPANSION AND COMPACTION. LOSS OF VOLUME DUE TO THE REMOVAL OF ORGANIC MATERIAL HAS ALSO NOT BEEN FACTORED INTO THE DREDGE AND FILL QUANTITIES.





LEGEND

<p>--- PROPOSED MITIGATION TRACTS (79.64 ACRES)</p> <p>WEST NODE 23.79</p> <p>CENTRAL NODE 34.00</p> <p>EAST NODE 21.85</p>		<p>PROPOSED PRESERVED HABITAT (2.65 APPROX. ACRES)</p> <table border="0"> <tr> <td>DRAINAGE STRIP</td> <td>TIDAL</td> <td>MANGROVE SWAMP</td> </tr> <tr> <td>SB1 0.07</td> <td>FLATS 0.60</td> <td></td> </tr> <tr> <td>SB2 0.00</td> <td></td> <td>0.56</td> </tr> <tr> <td>SB3 0.48</td> <td></td> <td>0.16</td> </tr> <tr> <td>SB4 0.33</td> <td></td> <td>0.45</td> </tr> </table>		DRAINAGE STRIP	TIDAL	MANGROVE SWAMP	SB1 0.07	FLATS 0.60		SB2 0.00		0.56	SB3 0.48		0.16	SB4 0.33		0.45
DRAINAGE STRIP	TIDAL	MANGROVE SWAMP																
SB1 0.07	FLATS 0.60																	
SB2 0.00		0.56																
SB3 0.48		0.16																
SB4 0.33		0.45																
<p>▨ FORESTED UPLAND CONSERVATION* (23.73 ACRES)</p> <p>WEST NODE 2.30</p> <p>CENTRAL NODE 7.87</p> <p>EAST NODE 13.56</p>		<p>○ PROPOSED RESTORED WETLAND (8.05 ACRES)</p> <table border="0"> <tr> <td>RW-2 2.41</td> </tr> <tr> <td>RW-13A 1.81</td> </tr> <tr> <td>RW-13B 3.20</td> </tr> <tr> <td>RW-14 0.63</td> </tr> </table>		RW-2 2.41	RW-13A 1.81	RW-13B 3.20	RW-14 0.63											
RW-2 2.41																		
RW-13A 1.81																		
RW-13B 3.20																		
RW-14 0.63																		
<p>== PROPOSED RIGHT OF WAY (66.90 ACRES)</p> <p>--- PROPERTY BOUNDARY (1,274.50 ACRES)</p> <p>— PROPOSED MULTI MODAL TRAIL</p> <p>▭ PROPOSED POND</p> <p>○ EXISTING POND</p>		<p>○ PROPOSED ENHANCED WETLAND (4.84 ACRES)</p> <table border="0"> <tr> <td>EW-21 1.28</td> </tr> <tr> <td>EW-24 3.05</td> </tr> <tr> <td>EW-29 0.51</td> </tr> </table>		EW-21 1.28	EW-24 3.05	EW-29 0.51												
EW-21 1.28																		
EW-24 3.05																		
EW-29 0.51																		
<p>* BUFFER NOT INCLUDED</p>		<p>○ PROPOSED CREATED WETLAND (23.65 ACRES)</p> <table border="0"> <tr> <td>CW-1 2.33</td> </tr> <tr> <td>CW-2 3.29</td> </tr> <tr> <td>CW-3 6.14</td> </tr> <tr> <td>CW-4 3.37</td> </tr> <tr> <td>CW-5 2.64</td> </tr> <tr> <td>CW-6 5.88</td> </tr> </table>		CW-1 2.33	CW-2 3.29	CW-3 6.14	CW-4 3.37	CW-5 2.64	CW-6 5.88									
CW-1 2.33																		
CW-2 3.29																		
CW-3 6.14																		
CW-4 3.37																		
CW-5 2.64																		
CW-6 5.88																		

