PROJECT No.	SHEET No.
06-11-2197	GR-1

DATE OF SURVEY: JANUARY 2008
SURVEY MADE BY: M. BAHIRADHAN
SUBMITTED BY: M. BAHIRADHAN
PROJECT No. 06-11-2197

ROAD NAME.: FLORESTA DRIVE WIDENING
CITY: PORT ST. LUCIE
COUNTY: ST. LUCIE

CROSS SECTION SOIL SURVEY
FLORESTA DRIVE WIDENING

STRATUM NO.	ORGANIC CONTENT			SIEVE ANALYSIS						ATTERBERG LIMITS (%)			SOIL TYPE	
	NO. OF TESTS	% ORGANIC	% MOISTURE	NO. OF TESTS	% PASSING 10 MESH	% PASSING 40 MESH	% PASSING 60 MESH	% PASSING 100 MESH	% PASSING 200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTICITY INDEX	AASHTO GROUP	MATERIAL DESCRIPTION
1	–	–	–	–	–	–	–	–	–	–	–	–	–	TOPSOIL
2	6	–	4.9–16.6	6	89.0–100	78.0–90.6	47.8–60.5	25.3–32.3	6.1–9.5	–	–	–	A-3	Gray, white and brown SAND
3	7	1.6	8.2–14.5	7	100	90.0–96.6	64.0–81.5	40.5–58.4	10.8–19.4	3	17–20	1–2	A-2-4	Gray and brown silty SAND
4	1	1.3	24.3	1	–	–	–	–	19.1	1	32	11	A-2-6	Gray and brown clayey SAND
5	3	4.4	7.9–26.6	3	–	–	–	–	11.8–12.7	–	–	–	A-2-4	Black silty SAND, weakly cemented (HARDPAN)
6	2	4.8–9.1	16.4–25.7	2	–	–	–	–	7.6–9.5	–	–	–	A-3	Black SAND, weakly cemented (HARDPAN)

GENERAL LEGEND

AASHTO – AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS SOIL CLASSIFICATION SYSTEM (ASTM M 145)

NOTES

(1) Embankment construction shall be in accordance with FDOT Standard Index No. 505.

(2) The materials from strata 1, 2 and 6 are considered "Select" per FDOT Standard Index No. 505.

(3) Strata 3 and 5 soils are considered "select" per Index No. 505, but may retain excess moisture, be difficult to compact, and exhibit instability.

(4) The stratum 4 soils are considered "Plastic" per index No. 505. This soil unit should be removed in accordance with FDOT Standard Index No. 500.

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

REVISIONS

DUNKELBERGER ENGINEERING & TESTING, INC.
Geotechnical • Materials Testing/Inspection • Environmental

APPROVED BY:
Chris L. Mings, P.E.
FL REG. No. 61556
DATE: 03-16-08

ROADWAY SOIL SURVEY
FLORESTA DRIVE WIDENING
PORT ST. LUCIE, FLORIDA

VERIFIED UTILITY LOCATES (TEST HOLES)

POINT NO.	NORTHING	EASTING	STATION	OFFSET	ELEVATION	DESCRIPTION
UU20715	1065795.384	871879.611	507+93.15	175.08	8.43	TOP 1/2UNKNOWN BLACK CABLE ELEV.=8.43,CABLE DIRECTION: NORTH-SOUTH,NATURAL GROUND ELEV.=12.0
UU20718	1065867.328	871884.099	507+97.90	103.15	8.65	TOP 2PVC IRRIGATION LINE ELEV.=8.65,PIPE DIRECTION: NORTH-SOUTH,NATURAL GROU ELEV.=9.3
UU20720	1065867.811	871881.159	507+94.96	102.66	5.65	TOP 24DIP WATER MAIN = 5.65,PIPE DIRECTION: NORTH-SOUTH,NATURAL GROUND ELEV.=9.3
UU20722	1065867.606	871877.364	507+91.17	102.85	7.72	TOP 3POLYETHYLENE FIBER OPTIC ELEV.=7.72,PIPE DIRECTION: NORTH-SOUTH,NATURAL GROUND ELEV.=9.8
UU20724	1065867.196	871929.926	508+43.73	103.45	6.77	TOP OF 1/2 FIBER OPTIC CABLE ELEV.=6.77,CABLE DIRECTION: NORTH-SOUTH,NATURAL GROUND ELEV.=9.1
UU20725	1065867.368	871932.480	508+46.28	103.29	8.40	TOP OF 2PVC IRRIGATION ELEV.=8.40,PIPE DIRECTION: NORTH-SOUTH,NATURAL GROUND ELEV.=9.1
UU20726	1065867.350	871935.949	508+49.75	103.32	3.13	TOP 3PVC SANITARY SEWER ELEV.=3.13,PIPE DIRECTION: NORTH-SOUTH,NATURAL GROUND ELEV.=9.1
UU20727	1065986.155	871740.687	506+54.93	-16.21	6.85	TOP OF 12PVC WATER MAIN ELEV.=6.85,PIPE DIRECTION: EAST-WEST,NATURAL GROUND ELEV.=9.8
UU20729	1065952.291	871740.776	506+54.89	17.66	4.65	TOP 3PVC SANITARY SEWER ELEV.=4.65,PIPE DIRECTION: EAST-WEST,NATURAL GROUND ELEV.=9.6
UU20739	1066075.436	871916.784	508+31.36	-104.83	4.73	TOP 2.5PVC SANITARY SEWER ELEV.=4.73,PIPE DIRECTION: NORTH-SOUTH,NATURAL GROUND ELEV.=10.2
UU20742	1066075.378	871885.158	507+99.73	-104.89	7.58	TOP 6PVC WATER MAIN ELEV.=7.58,PIPE DIRECTION: NORTH-SOUTH,NATURAL GROUND ELEV.=10.3
UU20745	1065966.496	872092.431	510+00.98	25.50	4.58	TOP OF 1/2 AT&T CABLE ELEV.=4.58,CABLE DIRECTION: EAST-WEST,NATURAL GROUND ELEV.=7.6
UU20746	1065973.414	872089.746	510+00.52	18.09	3.70	TOP 3PVC SANITARY SEWER ELEV.=3.70,PIPE DIRECTION: EAST-WEST,NATURAL GROUND ELEV.=7.9
UU20748	1065995.767	872144.643	510+57.50	17.19	3.67	TOP 3PVC SANITARY SEWER ELEV.=3.67,PIPE DIRECTION: EAST-WEST,NATURAL GROUND ELEV.=7.7
UU20750	1066044.303	872253.198	511+68.77	34.67	3.82	TOP OF 1/2 AT&T CABLE ELEV.=3.82,CABLE DIRECTION: SOUTWEST-NORTHEAST,NATURAL GROUND ELEV.=6.8
UU20780	1065947.998	872020.682	509+31.13	27.51	5.41	TOP 1AT&T CABLE ELEV.=5.41,CABLE DIRECTION: EAST-WEST,NATURAL GROUND ELEV.=8.1

Notes:

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2. Negative Offset (-) denotes point located to the left of the referenced baseline.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CITY OF PORT ST. LUCIE
121 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

VERIFIED UTILITY LOCATES

SHEET NO.
UTV-1

VERIFIED UTILITY LOCATES (TEST HOLES)

POINT NO.	NORTHING	EASTING	STATION	OFFSET	ELEVATION	DESCRIPTION
UU 20994	1,069,081.55	873,189.78	544+23.84	22.56	10.19	NG AT SUE58
UU 20995	1,069,081.39	873,193.05	544+23.70	25.83	9.66	NG AT SUE59A
UU 20996	1,069,081.18	873,195.47	544+23.50	28.26	9.65	NG AT SUE59B
UU 20998	1,069,080.38	873,189.30	544+22.67	22.09	6.38	TOP OF 2 AT&T CABLE ELEV.=6.38,NATURAL GROUND ELEV.=10.2
UU 20999	1,069,080.42	873,189.52	544+22.72	22.31	6.49	TOP OF 2 AT&T CABLE ELEV.=6.49,NATURAL GROUND ELEV.=10.2
UU 21000	1,069,080.77	873,193.01	544+23.08	25.80	6.71	TOP OF 8 PVC SANITARY SEWER LPM ELEV.=6.71,NATURAL GROUND ELEV.=10.2
UU 21001	1,069,080.55	873,195.49	544+22.87	28.27	6.07	TOP OF 8 SANITARY SEWER PVC FORCE MAIN ELEV.=6.07,NATURAL GROUND ELEV.=9.7
UU 21002	1,069,080.36	873,207.27	544+22.73	40.06	7.05	TOP OF 1 FIBER OPTIC CABLE ELEV.=7.05,NATURAL GROUND ELEV.=10.0
UU 21003	1,069,102.02	873,189.43	544+44.31	22.12	10.34	NG AT-T
UU 21004	1,069,072.90	873,188.71	544+15.19	21.53	10.21	NG AT-T
UU 21005	1,069,100.18	873,193.55	544+42.49	26.24	9.94	NG LPM
UU 21006	1,069,100.24	873,195.58	544+42.56	28.28	9.82	NG FM
UU 21007	1,069,074.21	873,194.73	544+16.52	27.54	9.79	VCS
UU 21008	1,069,073.97	873,193.08	544+16.27	25.90	9.93	VCS
UU 21009	1,069,091.96	873,206.28	544+34.32	39.01	10.06	NG BFO
UU 21010	1,069,068.42	873,207.36	544+10.80	40.20	10.17	NG BFO
UU 21012	1,068,937.43	873,133.06	542+79.47	-33.51	6.33	TOP OF 12 PVC WATER MAIN ELEV.=6.33,NATURAL GROUND ELEV.=9.7
UU 21013	1,068,950.76	873,133.74	542+92.80	-32.88	9.69	NG-WM
UU 21014	1,068,919.74	873,133.03	542+61.78	-33.46	9.69	NG-WM
UU 21016	1,069,008.64	873,126.61	543+50.64	-40.28	6.70	TOP OF 6 PVC WATER MAIN ELEV.=6.70,NATURAL GROUND ELEV.=9.90
UU 21017	1,069,008.92	873,124.33	543+50.92	-42.56	10.01	VCW
UU 21018	1,069,010.62	873,107.70	543+52.54	-59.19	9.71	NG-WM
UU 21019	1,069,008.15	873,133.74	543+50.19	-33.14	10.01	NG-WM
UU 21021	1,069,042.17	873,129.40	543+84.19	-37.64	4.95	2 1/2 PVC SANITARY SEWER LPM ELEV.=4.95,NATURAL GROUND ELEV.=9.9
UU 21022	1,069,043.76	873,117.87	543+85.73	-49.17	9.74	NG LPM
UU 21023	1,069,041.12	873,141.20	543+83.19	-25.83	10.12	AP LPM
UU 21024	1,066,764.65	872,713.83	520+15.27	19.28	9.59	NG AT SUE15
UU 21025	1,066,774.99	872,719.75	520+27.17	18.81	9.67	NG AT SUE16
UU 21026	1,066,775.83	872,720.41	520+28.23	18.92	2.80	T.O.P. 2DBC AT-T
UU 21027	1,066,765.14	872,713.99	520+15.76	19.16	2.97	T.O.P. 2DBC AT-T
UU 21028	1,066,754.77	872,707.43	520+03.50	19.11	9.44	NG-AT-T
UU 21029	1,066,791.65	872,729.88	520+46.66	18.54	9.38	NG-AT-T
UU 21030	1,066,789.01	872,670.83	520+13.05	-30.09	-0.08	T.O.P. 72RCP GOING EAST
UU 21031	1,066,800.36	872,676.62	520+25.74	-31.21	0.06	T.O.P. 72RCP GOING EAST
UU 21033	1,069,080.29	873,146.26	544+22.39	-20.95	6.90	TOP OF 12 DIP WATER MAIN ELEV.=6.90,NATURAL GROUND ELEV.=10.2
UU 21034	1,069,097.04	873,147.39	544+39.14	-19.90	10.25	NG-WM
UU 21035	1,069,064.25	873,146.19	544+06.35	-20.94	10.04	VCW
UU 21037	1,069,318.96	873,136.74	546+61.01	-31.55	7.52	TOP OF 4 PVC WATER MAIN ELEV.=7.52,NATURAL GROUND ELEV.=10.5
UU 21038	1,069,318.01	873,146.41	546+60.10	-21.87	10.73	NG-WM
UU 21039	1,069,321.46	873,123.58	546+63.45	-44.72	10.40	VCW
UU 21041	1,069,351.91	873,136.24	546+93.96	-32.19	6.34	2 1/2 PVC SANITARY SEWER LPM ELEV.=6.34,NATURAL GROUND ELEV.=10.8
UU 21042	1,069,351.65	873,145.35	546+93.74	-23.09	11.01	AP-LPM
UU 21043	1,069,353.94	873,125.05	546+95.93	-43.39	10.80	VCS
UU 21045	1,069,577.32	873,148.55	549+19.42	-20.90	7.29	TOP OF 12 DIP WATER MAIN ELEV.=7.29,NATURAL GROUND ELEV.=10.5
UU 21046	1,069,559.82	873,148.54	549+01.92	-20.83	10.54	NG-WM

Notes:

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CITY OF PORT ST. LUCIE
121 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

VERIFIED UTILITY LOCATES

SHEET NO. UTV-2

VERIFIED UTILITY LOCATES (TEST HOLES)

POINT NO.	NORTHING	EASTING	STATION	OFFSET	ELEVATION	DESCRIPTION
UU 21047	1,069,598.30	873,148.70	549+40.40	-20.85	10.35	NG-WM
UU 21052	1,069,577.53	873,185.03	549+19.79	15.58	6.44	TOP OF 4 PVC SANITARY SEWER ELEV.=6.44,NATURAL GROUND ELEV.=10.5
UU 21053	1,069,577.58	873,186.98	549+19.86	17.52	5.90	TOP OF 8 PVC SANITARY SEWER FORCE MAIN ELEV.=5.90,NATURAL GROUND ELEV.=10.2
UU 21054	1,069,577.78	873,194.51	549+20.08	25.06	6.90	TOP OF 2 AT&T CABLE ELEV.=6.90,NATURAL GROUND ELEV.=10.1
UU 21055	1,069,577.30	873,199.16	549+19.63	29.71	7.15	TOP OF 1 FIBER OPTIC CABLE ELEV.=7.15,NATURAL GROUND ELEV.=9.9
UU 21056	1,069,567.69	873,199.10	549+10.02	29.70	9.94	NG-BFO
UU 21057	1,069,587.74	873,199.56	549+30.07	30.06	9.82	NG-BFO
UU 21058	1,069,590.00	873,194.91	549+32.31	25.41	10.05	NG-AT-T
UU 21059	1,069,565.04	873,194.10	549+07.34	24.70	10.03	NG-AT-T
UU 21060	1,069,566.00	873,186.71	549+08.28	17.31	10.27	NG-FM
UU 21061	1,069,589.21	873,187.32	549+31.49	17.81	10.24	NG-FM
UU 21062	1,069,589.40	873,185.11	549+31.66	15.61	10.41	NG-LPM
UU 21063	1,069,566.57	873,184.70	549+08.84	15.29	10.49	NG-LPM
UU 21066	1,069,631.77	873,132.78	549+73.80	-36.92	8.03	TOP OF 1 AT&T CABLE ELEV.=8.03,NATURAL GROUND ELEV.=10.5
UU 21067	1,069,628.31	873,148.09	549+70.40	-21.59	7.56	TOP OF 12 DIP WATER MAIN ELEV.=7.56,NATURAL GROUND ELEV.=10.7
UU 21068	1,069,618.62	873,147.82	549+60.72	-21.81	10.59	NG WM
UU 21069	1,069,644.43	873,147.39	549+86.53	-22.36	10.86	AP WM
UU 21070	1,069,646.47	873,134.26	549+88.51	-35.51	10.95	AP ATT
UU 21071	1,069,623.26	873,132.34	549+65.29	-37.31	10.25	NG ATT
UU 21073	1,069,664.87	873,137.86	550+06.92	-31.98	6.85	TOP OF 6 PVC WATER MAIN ELEV.=6.85,NATURAL GROUND ELEV.=10.5
UU 21074	1,069,664.27	873,146.20	550+06.36	-23.64	10.64	AP WM
UU 21075	1,069,665.89	873,127.58	550+07.90	-42.27	10.53	NG WM
UU 21077	1,069,709.47	873,148.92	550+51.57	-21.12	7.10	TOP OF 12 DIP WATER MAIN ELEV.=7.10,NATURAL GROUND ELEV.=10.3
UU 21078	1,069,696.55	873,148.81	550+38.65	-21.17	10.45	NG WM
UU 21079	1,069,720.05	873,149.07	550+62.15	-21.02	10.54	NG WM
UU 21084	1,069,709.59	873,195.16	550+51.90	25.11	5.40	TOP OF 2 AT&T CABLE ELEV.=5.40,NATURAL GROUND ELEV.=9.9
UU 21085	1,069,709.77	873,190.53	550+52.06	20.49	5.87	TOP OF 1 FIBER OPTIC CABLE ELEV.=5.87,NATURAL GROUND ELEV.=10.1
UU 21086	1,069,709.77	873,187.66	550+52.04	17.61	6.24	TOP OF 8 PVC SANITARY SEWER FORCE MAIN ELEV.=6.24,NATURAL GROUND ELEV.=10.2
UU 21087	1,069,709.93	873,185.52	550+52.20	15.48	6.53	TOP OF 4 PVC SANITARY SEWER LPM ELEV.=6.53,NATURAL GROUND ELEV.=10.3
UU 21088	1,069,722.06	873,185.39	550+64.33	15.29	10.26	NG LPM
UU 21089	1,069,721.68	873,187.57	550+63.96	17.47	10.18	NG FM
UU 21090	1,069,696.78	873,187.06	550+39.05	17.07	10.51	VCS
UU 21091	1,069,696.83	873,185.38	550+39.09	15.39	10.58	VCS
UU 21092	1,069,698.45	873,190.79	550+40.74	20.79	10.06	NG BFO
UU 21093	1,069,721.28	873,190.38	550+63.57	20.28	10.15	NG BFO
UU 21094	1,069,720.94	873,194.69	550+63.25	24.59	9.96	NG ATT
UU 21095	1,069,698.61	873,194.95	550+40.92	24.95	9.86	NG ATT
UU 21097	1,069,798.61	873,134.28	551+40.65	-36.17	7.63	TOP OF 1 AT&T CABLE ELEV.=7.63,NATURAL GROUND ELEV.=11.1
UU 21098	1,069,787.45	873,134.30	551+29.48	-36.10	11.11	NG ON ATT
UU 21099	1,069,807.97	873,134.63	551+50.00	-35.86	10.94	NG ON ATT
UU 21100	1,069,808.47	873,120.80	551+50.45	-49.69	11.50	NG ON ATT
UU 21102	1,068,661.41	872,983.59	540+02.78	-181.73	7.00	TOP OF 3" PVC BELLSOUTH
UU 21103	1,068,661.75	872,983.69	540+03.12	-181.63	6.91	TOP OF 3" PVC BELLSOUTH
UU 21104	1,068,662.07	872,983.78	540+03.43	-181.54	5.75	TOP OF 24" DIP
UU 21105	1,068,663.78	872,967.16	540+05.08	-198.17	9.78	CNC MULTI. UTILITY
UU 21106	1,068,661.80	872,995.08	540+03.22	-170.24	9.75	CNC MULTI. UTILITY
UU 21109	1,069,941.82	873,144.84	552+83.91	-26.25	7.81	TOP OF 8" PVC WATER MAIN
UU 21110	1,069,934.99	873,150.10	552+77.09	-20.95	7.96	TOP OF 12" DIP WATER MAIN
UU 21111	1,069,943.32	873,125.43	552+85.31	-45.67	10.32	VCW
UU 21112	1,069,915.20	873,150.13	552+57.30	-20.84	10.57	VCW
UU 21113	1,069,945.91	873,150.87	552+88.02	-20.24	10.58	AP WM
UU 21114	1,069,940.34	873,158.19	552+82.48	-12.89	10.86	AP WM

Notes:

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CITY OF PORT ST. LUCIE
121 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

VERIFIED UTILITY LOCATES

SHEET NO. UTV-3

5/15/2020 11:28:09 AM F:\PROJECT\5I99356- Floresta\200600II\utils\SBVHUW03.dgn

VERIFIED UTILITY LOCATE

Vvh #	UTILITY DESCRIPTION (Owner, type)	SIZE	MATERIALS	SURVEY DATA			MANUAL DEPTH (COVER)	TOP ELEVATION	COMMENTS
				NORTHING	EASTING	GROUND ELEV			
TH100	CITY OF PSL, WATER	18"	PVC	1066096.62	872236.00	7.38	7.00	0.38	
TH101	CITY OF PSL, WATER	6"	PVC	1066064.58	872279.59	6.50	6.40	0.10	
TH102	CITY OF PSL, WATER	18"	DUCTILE IRON	1066346.29	872407.08	7.66	3.10	4.56	
TH103	CITY OF PSL, WATER	6"	PVC	1066606.95	872618.44	9.12	3.00	6.12	
TH104	CITY OF PSL, WATER	8"	PVC	1068380.79	873085.33	8.82	4.40	4.42	
TH105	FLORIDA CITY GAS, GAS	4"	STL	1068781.05	873206.68	9.88	3.40	6.48	
TH106	CITY OF PSL, WATER	12"	PVC	1070917.73	873153.46	9.51	3.80	5.71	
TH107	CITY OF PSL, WATER	12"	PVC	1071479.23	873152.91	10.00	3.20	6.80	
TH108	CITY OF PSL, WATER	12"	PVC	1071585.98	873166.01	11.61	10.00	N/A	TEST HOLE PERFORMED TO A DEPTH OF 10', POSSIBLE WATER BELOW.
TH108A	CITY OF PSL, WATER	12"	PVC	1071554.92	873161.15	10.77	5.12	5.65	TEST HOLE PERFORMED APPROX. 30' SOUTH OF TH108 INDICATING LAST POINT OF VISUAL INSPECTION, DEPTH OF 5.12
TH200	CITY OF PSL, WATER	6"	PVC	1067022.30	873293.37	4.97	3.40	1.57	
TH201	CITY OF PSL, FORCE MAIN	8"	PVC	1066989.10	873300.05	4.56	4.10	0.46	
TH202	FLORIDA CITY GAS, GAS	6"	STL	1068989.03	873233.23	9.14	3.30	5.84	
TH203	CITY OF PSL, WATER	8"	PVC	1069000.38	873230.92	9.12	2.40	6.72	
TH204	CITY OF PSL, FORCE MAIN	8"	PVC	1069034.67	873212.69	9.65	4.20	5.45	
TH204A	CITY OF PSL, FORCE MAIN	2"	PVC	1069031.93	873212.83	9.78	3.50	6.28	TEST HOLE REVEALED 2" FM LABELLED RPM RUNNING PARALLEL TO 8" FM.
TH205	FLORIDA CITY GAS, GAS	6"	STL	1068826.65	874705.38	4.36	3.10	1.26	TEST HOLE REVEALED 6" GM, 45 DEGREE TJRN TOWARDS SOUTHEAST.
TH206	FLORIDA CITY GAS, GAS	6"	STL	1068822.09	874711.38	4.72	3.20	1.52	TEST HOLE REVEALED 6" GM, 45 DEGREE TJRN TOWARDS SOUTH ALONG WEST SIDE OF WHITMORE DRIVE.
TH207	FLORIDA CITY GAS, GAS	6"	STL	1068617.37	874710.62	5.67	3.35	2.32	
TH208	FLORIDA CITY GAS, GAS	6"	STL	1068971.26	873399.39	9.12	3.00	6.12	
MA1	EXPLORATORY	N/A	N/A	1068628.99	873240.47	10.26	10.00	N/A	
MA1-1	TRAFFIC SIGNAL FOC	(2) 2"	PVC	1068633.44	873237.92	10.00	1.90	8.10	TEST HOLE HOLE REVEALED TRAFFIC SIGNAL FOC CONDUIT. SEE FIELD BOOK FOR MORE DETAIL.
MA2	EXPLORATORY	N/A	N/A	1068621.73	873102.50	11.40	10.00	N/A	
MA3	EXPLORATORY	N/A	N/A	1068767.08	873093.95	10.25	10.00	N/A	
MA4	EXPLORATORY	N/A	N/A	1068771.76	873222.24	9.83	10.00	N/A	

S.U.E. NOTES:

1. OWNERSHIP IS BASED UPON OBSERVING VISIBLE ABOVE GROUND UTILITY FEATURES AND PROFESSIONAL JUDGEMENT. NO RECORDS RESEARCH WAS PERFORMED BY BOWMAN CONSULTING GROUP.

SURVEYOR'S NOTES:

1. HORIZONTAL INFORMATION IS RELATIVE TO THE STATE PLANE COORDINATES, FLORIDA EAST ZONE, NORTH AMERICAN DATUM (NAD) OF 1983/2011 ADJUSTMENT.
2. VERTICAL INFORMATION IS RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
3. PROJECT UNITS: U.S. SURVEY FEET
4. CONTROL AND BASELINE INFORMATION WAS PROVIDED BY AMERICAN CONSULTING PROFESSIONALS, LLC.
5. COORDINATES FOR THE PROPOSED MAST ARMS WERE ALSO PROVIDED BY AMERICAN CONSULTING PROFESSIONALS, LLC.
6. THIS SPECIFIC PURPOSE SURVEY IS TO DETERMINE THE HORIZONTAL AND VERTICAL LOCATION OF THE VACUUM TEST HOLES AS MARKED ON THE SURFACE BY THE SUBSURFACE UTILITY ENGINEERING DEPARTMENT OF BOWMAN CONSULTING GROUP. THE SIGNING SURVEYOR IS CERTIFYING ONLY TO THE LOCATION OF THE TEST HOLES AS MARKED ON THE SURFACE.

LEGEND:

&	AND
B/L	BASELINE
BT	BURIED TELEPHONE
C/L	CENTERLINE
DBC	DIRECT BURIED CONDUIT
DIP	DUCTILE IRON PIPE
ELECTRO.	ELECTROMAGNETIC
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FM	FORCE MAIN
GPR	GROUND PENETRATING RADAR
HDPE	HIGH DENSITY POLYETHYLENE
LT.	LEFT
N/A	NOT APPLICABLE
PCONC	POURED CONCRETE
PSM	PROFESSIONAL SURVEYOR AND MAPPER
PVC	POLYVINYL CHLORIDE
RT.	RIGHT
S.U.E.	SUBSURFACE UTILITY ENGINEERING
S.R.	STATE ROAD
TH	TEST HOLE
UNK	UNKNOWN
Vvh	VERIFIED VERTICAL ELEVATION and HORIZONTAL LOCATION
W/	WITH

LIMITS: VARIOUS LOCATIONS ALONG FLORESTA DRIVE

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCING, DESCRIBING AND MAPPING THE UTILITY VACUUM EXCAVATIONS, AS MARKED ON THE SURFACE, FOR THE TRANSPORTATION FACILITY DEPICTED HEREON AND THAT SAID SURVEY WAS DONE UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET UTV-1 THRU UTV-2 IS A TRUE, ACCURATE AND COMPLETE DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON OCTOBER 8, 2019.

SURVEYOR: ADAM C. DAO PSM NUMBER: 6899

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

Digitally signed by Adam Dao
Date: 2019.10.11 11:28:50 -04'00'

THE ABOVE NAMED PROFESSIONAL SURVEYOR & MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C.

INDEX OF SURVEY PLANS	
SHEET NUMBER	SHEET DESCRIPTION
UTV-4	VERIFIED UTILITY LOCATE

ADAM C. DAO
License Number 6899
STATE OF FLORIDA
Professional Surveyor and Mapper

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ADAM C. DAO, PSM
SURVEYOR LICENSE NUMBER 6899
BOWMAN CONSULTING GROUP, LTD., INC.
301 SE OCEAN BLVD, SUITE 301
STUART, FLORIDA 34994
CERTIFICATE OF AUTHORIZATION LB8030

CITY OF PORT ST. LUCIE
121 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

VERIFIED UTILITY LOCATE

SHEET NO. UTV-4

$DATE$ $TIME$ $FILE$

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.