EXHIBIT C-2
ESTIMATE OF LABOR EFFORT AND COST

PROJECT NAME: Project No. 19-012/N. Swinton Ave. Rdway & UG Utility Improvements

CONSULTANT:

CLIENT: CITY OF DELRAY BEACH

PROJECT NO.

	Labor Classification	Senior Project Engineer		Construction Administration		CEI Senior Inspector		CEI Inspector II		CEI Inspector I	Merchant Strategy		ECS Group		HOURS PER TASK	COST PER TASK	LUMP SUM/TASK SERVICES TOTALS	HOURLY SERVICES TOTALS	OPTIONAL SERVICES TOTALS	GRAND TOTALS ALL TASKS	DESCRIPTION
SUMMARY OF TASKS		Hours	Billing Rate $ 326.48	Hours	Billing Rate $ 246.40	Hours	Billing Rate $ 118.58	Hours	Billing Rate $ 105.89	N/A	Hours	Billing Rate $ 150.00	Hours	Billing Rate $ 125.00							
3.3	**Construction Administration & Engineering**		$ -		$ -		$ -		$ -			$ -		$ -	-	$ -				**$ 335,900.99**	TOTAL LUMP SUM/TASK (3.3) Construction Administration & Engineering
3.3.1	Constructability Field Review	2	$ 652.96	20	$ 4,928.00	12	$ 1,422.96	12	$ 1,270.68			$ -	12	$ 1,500.00	58.00	$ 9,774.60	**$ 9,774.60**				
3.3.2	Preconstruction Meeting	4	$ 1,305.92	12	$ 2,956.80	6	$ 711.48	6	$ 635.34			$ -	4	$ 500.00	32.00	$ 6,109.54	**$ 6,109.54**				
3.3.3	Submittal Review	8	$ 2,611.84	50	$ 12,320.00	18	$ 2,134.44	12	$ 1,270.68			$ -	16	$ 2,000.00	104.00	$ 20,336.96	**$ 20,336.96**				25 Submittals X 2 Hrs./Submittal Plus Inspector Support
3.3.4	Progress Meetings	8	$ 2,611.84	64	$ 15,769.60	24	$ 2,845.92	8	$ 847.12			$ -	32	$ 4,000.00	136.00	$ 26,074.48	**$ 26,074.48**				4 Hrs/mtg. X 8 months/PH X 2 PHs
3.3.5	Pay Estimate Review	12	$ 3,917.76	36	$ 8,870.40	18	$ 2,134.44	18	$ 1,906.02			$ -	24	$ 3,000.00	108.00	$ 19,828.62	**$ 19,828.62**				9 Pay Requests/PH X 2 PHs
3.3.6	Construction Schedule Review	8	$ 2,611.84	34	$ 8,377.60	24	$ 2,845.92	10	$ 1,058.90			$ -	4	$ 500.00	80.00	$ 15,394.26	**$ 15,394.26**				2 Reviews/Month X 8 Months/PH X 2 PHs + 1 Precon/PH X 2 PHs = 34 Reviews
3.3.7	Construction Clarifications	16	$ 5,223.68	120	$ 29,568.00	70	$ 8,300.60	30	$ 3,176.70			$ -	16	$ 2,000.00	252.00	$ 48,268.98	**$ 48,268.98**				4 Hrs./RFI X 25 RFIs/PH X 2 PHs
3.3.8	Construction Claims & Changes	24	$ 7,835.52	150	$ 36,960.00	90	$ 10,672.20	60	$ 6,353.40			$ -	12	$ 1,500.00	336.00	$ 63,321.12	**$ 63,321.12**				30 Reviews in PH1, 20 Revieqws in PH2 X 6 Hrs./Review
3.3.9	Quality Assurance Program	12	$ 3,917.76	40	$ 9,856.00	40	$ 4,743.20	24	$ 2,541.36			$ -	8	$ 1,000.00	124.00	$ 22,058.32	**$ 22,058.32**				20 Hrs to Create + 4 Hrs/month to manage X 8 months/PH X 2 Phs.
3.3.10	Tracking & Oversight of Material Samples	2	$ 652.96	16	$ 3,942.40	30	$ 3,557.40	50	$ 5,294.50			$ -	8	$ 1,000.00	106.00	$ 14,447.26	**$ 14,447.26**				6 Hrs/month X 8 months/PH X 2 PHs
3.3.11	Certification of Construction Completion	12	$ 3,917.76	10	$ 2,464.00	12	$ 1,422.96	10	$ 1,058.90			$ -	16	$ 2,000.00	60.00	$ 10,863.62	**$ 10,863.62**				Records Review, Draft & Sign Letter
3.3.12	Public Records Request Assistance	4	$ 1,305.92	12	$ 2,956.80	4	$ 474.32	8	$ 847.12			$ -	16	$ 2,000.00	44.00	$ 7,584.16	**$ 7,584.16**				
3.3.13	Substantial & Final Completion Inspections	8	$ 2,611.84	20	$ 4,928.00	20	$ 2,371.60	24	$ 2,541.36			$ -	24	$ 3,000.00	96.00	$ 15,452.80	**$ 15,452.80**				4 Hrs/Inspection + 4 Hrs./PL X 2 PHs for PL & 8 Hrs./Final Inspection X 2 PHs
3.3.14	Record Drawings	16	$ 5,223.68	8	$ 1,971.20	16	$ 1,897.28	8	$ 847.12			$ -	16	$ 2,000.00	64.00	$ 11,939.28	**$ 11,939.28**				2 Hrs/month X 8 months/PH X 2 PHs
3.3.15	Coordination with City and Private Utility Companies	4	$ 1,305.92	10	$ 2,464.00	25	$ 2,964.50	25	$ 2,647.25			$ -	24	$ 3,000.00	88.00	$ 12,381.67	**$ 12,381.67**				4 Hrs/month X 8 months/PH X 2 PHs
3.3.16	Project Commissioning	2	$ 652.96	12	$ 2,956.80	24	$ 2,845.92	12	$ 1,270.68			$ -	36	$ 4,500.00	86.00	$ 12,226.36	**$ 12,226.36**				24 Hrs./PH X 2 PHs at the end of each PH only
3.3.17	Project Closeout	12	$ 3,917.76	16	$ 3,942.40	40	$ 4,743.20	40	$ 4,235.60			$ -	24	$ 3,000.00	132.00	$ 19,838.96	**$ 19,838.96**				48 Hrs/PH X 2 PHs
3.4	**Inspection Services**	20	$ 6,529.60	560	$ 137,984.00	2100	$ 249,018.00	700	$ 74,123.00			$ -	20	$ 2,500.00	3,400.00	$ 470,154.60		**$ 470,154.60**		**$ 470,154.60**	35 Wks X 40 Hrs./wk = 1400 Hrs/PH X 2 PHs = 2800 Hrs.
3.5	**Public Outreach**	8	$ 2,611.84	40	$ 9,856.00	0	$ -	0	$ -		172	$ 25,800.00		$ -	220.00	$ 38,267.84		**$ 38,267.84**		**$ 38,267.84**	Total Duration 20 Months X 4.3 wks/month = 86 X 2hrs./wk (AVERAGE)
3.6	**Administraive Services**	0	$ -	0	$ -	0	$ -	0	$ -			$ -		$ -	-	$ -				**$ -**	
3.7	**Surveying (Optional Additional Services)**		$ -		$ -		$ -		$ -			$ -		$ -	-	$ -			**$ 40,000.00**	**$ 40,000.00**	Budgetted Allowance for Optional Services
			$ -		$ -		$ -		$ -			$ -		$ -	-	$ -					
			$ -		$ -		$ -		$ -			$ -		$ -	-	$ -					
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			$ -		$ -		$ -		$ -			$ -		$ -	-	$ -					
	STAFF TOTALS	182	$ 59,419.36	1230	$ 303,072.00	2573	$ 305,106.34	1057	$ 111,925.73	0	172	$ 25,800.00	312	$ 39,000.00	194.00	**$ 844,323.43**	**$ 335,900.99**	**$ 508,422.44**	**$ 40,000.00**	**$ 884,323.43**	

TOTAL BASIC SERVICES FEES	**$ 844,323.43**
TOTAL OPTIONAL SERVICES FEES	**$ 40,000.00**
TOTAL TASK FEES	**$ 884,323.43**
TOTAL EXPENSES (Ex. F)	**$ 5,975.00**
GRAND TOTAL FEE	**$ 890,298.43**