

DEMERE AND EAST BEACH CAUSEWAY INTERSECTION IMPROVEMENTS 2020
 IP# 01143
 January 10, 2020

RIVERSTONE CONSTRUCTION						
Item No	Item Description	Miscellaneous	Est. Qty	Unit	Unit Price	Total Price
1	Traffic Control	JOB	15		200,000.00	200,000.00
2	Clearing and Demolition	JOB	15		125,000.00	125,000.00
3	Grading Complete	JOB	15		212,000.00	212,000.00
4	Remove and Replace Unavailable Material	1000	CT	11.80		11,800.00
	Subtotal					548,800.00
Erosion and Sedimentation Control						
1	Temporary Construction Eri	1	EA	1,500.00		1,500.00
2	Construct and Remove Inlet Sediment Trap	13	EA	120.00		1,560.00
3	Maintenance of Inlet Sediment Trap	13	EA	80.00		1,040.00
4	Temporary Silt Fence - NS	2300	LF	1.00		2,300.00
5	Maintenance of Temp Silt Fence - NS	2300	LF	1.10		2,530.00
6	Water Quality Monitoring and Sampling	6	EA	405.00		2,430.00
7	Water Quality Inspections	4	MCO	145.00		580.00
8	Temporary Grassing	5000	SY	0.75		3,750.00
9	Permanent Grassing	5000	SY	0.95		4,750.00
	Subtotal					20,860.00
Water System						
1	4" PVC Watermain	14	LF	53.95		755.30
2	10" PVC Watermain	544	LF	72.69		39,543.36
3	12" PVC Watermain	472	LF	83.99		39,643.72
4	4" Valve in Box	1	EA	857.22		857.22
5	10" Valve in Box	4	EA	2,399.34		9,597.36
6	12" Valve in Box	2	EA	3,966.40		7,932.80
7	2" Fire Hydrant Assembly	1	EA	5,205.80		5,205.80
8	Connection to Existing Main	3	EA	463.61		1,390.83
9	Reconnect Existing Water Service Laterals	6	EA	1,250.00		7,500.00
10	1" Meter Assembly	4	EA	196.74		786.96
11	Remove Existing Valves and Hydrants	4	EA	380.00		1,520.00
12	Flowable Fill for Watermain (4", 10" & 12")	1332	LF	7.21		9,604.52
	Subtotal					124,576.61
Sanitary Sewer System						
1	12" PVC Gravity Sanitary Sewer	296	LF	52.37		15,501.52
2	27" PVC Gravity Sanitary Sewer	45	LF	152.09		6,844.05
3	8" Dia. HDPE Sanitary Sewer Manhole	1	EA	44,513.88		44,513.88
4	Connection To & Coating of Existing MH	2	EA	7,224.00		14,448.00
5	10" PVC Force Main	14	LF	64.41		649.74
6	12" PVC Force Main	218	LF	124.80		27,206.40
7	20" PVC Force Main	336	LF	163.20		48,148.80
8	4" Plug Valve in Box	1	EA	1,339.08		1,339.08
9	8" Check Valve in Box	1	EA	1,376.59		1,376.59
10	10" Plug Valve in Box	1	EA	4,409.40		4,409.40
11	10" Check Valve in Box	1	EA	4,839.54		4,839.54
12	12" Plug Valve in Box	1	EA	5,953.20		5,953.20
13	12" Check Valve in Box	1	EA	6,964.56		6,964.56
14	30" PVC Casing	40	LF	174.42		6,976.80
15	Connection to Existing Force Mains	4	EA	1,539.75		6,159.00
16	Flowable Fill for SS IM (4", 8", 10" & 12")	823	LF	21.14		17,398.22
17	Flowable Fill for SS Gravity (27")	363	LF	72.00		26,136.00
18	Remove Existing SS MH and Vault	3	EA	600.00		1,800.00
	Subtotal					240,654.78
Storm Drainage						
1	Storm Drain Pipe 18" RCP	841	LF	62.18		52,293.38
2	Storm Drain Pipe 24" RCP	129	LF	83.74		10,802.46
3	Storm Drain Pipe 30" RCP	81	LF	117.45		9,513.45
4	Storm Drain Pipe 19"x30" ERCP	92	LF	144.00		13,248.00
5	Concrete Headwall 18" RCP	2	EA	1,836.26		3,672.40
6	Concrete Headwall 30" RCP	1	EA	4,258.01		4,258.01
7	Concrete Headwall 19"x30" ERCP	1	EA	3,356.80		3,356.80
8	Underdrain Pipe, Incl Drainage Agar 4"	500	LF	108.92		54,460.00
9	Standard Rip Rap	10	CY	208.50		2,085.00
10	Catch Basin, Type A	4	EA	6,240.65		24,962.60
11	Catch Basin, Type C	2	EA	6,148.84		12,297.68
12	Drop Inlet, Type V-1	4	EA	3,965.53		15,862.12
13	Drop Inlet, Type B	1	EA	7,365.97		7,365.97
14	Storm Manhole	2	EA	5,508.75		11,017.50
15	Remove & Replace Pvmf	30	SY	125.00		3,750.00
	Subtotal					206,308.17
Roadway						
1	Milling Existing Pavement	3300	SY	3.76		12,408.00
2	Graded Aggregate Base C/s 8 Inch	4800	SY	23.26		111,648.00
3	Asphalt Conc 19 MM Superpave (2 Inch)	4000	SY	24.23		96,920.00
4	Asphalt Conc 9.5 MM Superpave (1.1/2 Inch)	4000	SY	13.75		55,000.00
5	Blotumous Tack Coat	400	GAL	11.05		4,420.00
6	Rein PC Conc Pvmf, Cl 3, 8" Thick, Stamped	245	SY	182.00		44,590.00
7	Concrete Median, 6" Type 7	250	SY	97.50		24,375.00
8	Cone Header Curb, 6" Type 9	275	LF	26.00		7,155.00
9	Cone Curb & Gutter, 6" x 24", Type 2	2100	LF	20.80		43,800.00
10	Cone Curb & Gutter, 6" x 24", Type 7	205	LF	28.60		5,863.00
11	Driveway Concrete & Inch	110	SY	65.00		7,150.00
12	Cone Sidewalk, 4 Inch	1150	SY	44.80		51,452.00
	Subtotal					487,884.00
Signing and Marking						
1	Highway Signs and Posts	JOB	15		11,360.00	11,360.00
2	Thermoplastic Traffic Signing	JOB	15		36,860.20	36,860.20
3	Pedestrian Hybrid Beacon	4	EA	8,954.80		35,819.20
	Subtotal					84,439.40
Total						1,713,518.98

** Awarded to low bidder Riverstone Construction

SEABOARD CONSTRUCTION COMPANY						
Item No	Item Description	Miscellaneous	Est. Qty	Unit	Unit Price	Total Price
1	Traffic Control	JOB	15		71,818.00	71,818.00
2	Clearing and Demolition	JOB	15		64,040.00	64,040.00
3	Grading Complete	JOB	15		269,175.00	269,175.00
4	Remove and Replace Unavailable Material	1000	CT	34.50		3,450.00
	Subtotal					439,533.00
Erosion and Sedimentation Control						
1	Temporary Construction Eri	1	EA	2,437.50		2,437.50
2	Construct and Remove Inlet Sediment Trap	13	EA	317.00		4,121.00
3	Maintenance of Inlet Sediment Trap	13	EA	199.00		2,587.00
4	Temporary Silt Fence - NS	2300	LF	3.50		8,050.00
5	Maintenance of Temp Silt Fence - NS	2300	LF	1.00		2,300.00
6	Water Quality Monitoring and Sampling	6	EA	101.50		609.00
7	Water Quality Inspections	4	MCO	253.50		1,014.00
8	Temporary Grassing	5000	SY	0.50		2,500.00
9	Permanent Grassing	5000	SY	1.50		7,500.00
	Subtotal					31,625.50
Water System						
1	4" PVC Watermain	14	LF	89.50		1,253.00
2	10" PVC Watermain	544	LF	64.00		34,816.00
3	12" PVC Watermain	472	LF	59.00		27,848.00
4	4" Valve in Box	1	EA	1,027.00		1,027.00
5	10" Valve in Box	4	EA	2,531.50		10,126.00
6	12" Valve in Box	2	EA	2,907.50		5,815.00
7	2" Fire Hydrant Assembly	1	EA	4,072.50		4,072.50
8	Connection to Existing Main	3	EA	4,213.50		12,240.50
9	Reconnect Existing Water Service Laterals	6	EA	707.00		4,242.00
10	1" Meter Assembly	4	EA	2,818.50		11,274.00
11	Remove Existing Valves and Hydrants	4	EA	321.50		1,286.00
12	Flowable Fill for Watermain (4", 10" & 12")	1332	LF	11.50		15,318.00
	Subtotal					130,912.00
Sanitary Sewer System						
1	12" PVC Gravity Sanitary Sewer	296	LF	45.00		13,320.00
2	27" PVC Gravity Sanitary Sewer	45	LF	202.50		9,112.50
3	8" Dia. HDPE Sanitary Sewer Manhole	1	EA	21,825.00		21,825.00
4	Connection To & Coating of Existing MH	2	EA	67,867.00		135,734.00
5	10" PVC Force Main	14	LF	64.00		896.00
6	12" PVC Force Main	218	LF	135.50		29,539.00
7	20" PVC Force Main	336	LF	333.50		112,056.00
8	4" Plug Valve in Box	1	EA	985.00		985.00
9	8" Check Valve in Box	1	EA	4,435.50		4,435.50
10	10" Plug Valve in Box	1	EA	3,423.00		3,423.00
11	10" Check Valve in Box	1	EA	9,663.50		9,663.50
12	12" Plug Valve in Box	1	EA	4,305.50		4,305.50
13	12" Check Valve in Box	1	EA	10,369.00		10,369.00
14	30" PVC Casing	40	LF	391.50		15,660.00
15	Connection to Existing Force Mains	4	EA	6,630.50		26,522.00
16	Flowable Fill for SS IM (4", 8", 10" & 12")	823	LF	15.50		12,756.50
17	Flowable Fill for SS Gravity (27")	363	LF	58.50		21,235.50
18	Remove Existing SS MH and Vault	3	EA	1,724.00		5,172.00
	Subtotal					437,010.00
Storm Drainage						
1	Storm Drain Pipe 18" RCP	841	LF	44.00		37,004.00
2	Storm Drain Pipe 24" RCP	129	LF	56.50		7,288.50
3	Storm Drain Pipe 30" RCP	81	LF	75.00		6,075.00
4	Storm Drain Pipe 19"x30" ERCP	92	LF	98.00		9,016.00
5	Concrete Headwall 18" RCP	2	EA	1,725.50		3,451.00
6	Concrete Headwall 30" RCP	1	EA	4,321.00		4,321.00
7	Concrete Headwall 19"x30" ERCP	1	EA	4,321.00		4,321.00
8	Underdrain Pipe, Incl Drainage Agar 4"	500	LF	23.50		11,750.00
9	Standard Rip Rap	10	CY	142.50		1,425.00
10	Catch Basin, Type A	4	EA	2,125.50		8,502.00
11	Catch Basin, Type C	2	EA	3,178.00		6,356.00
12	Drop Inlet, Type V-1	4	EA	2,436.50		9,746.00
13	Drop Inlet, Type B	1	EA	2,378.50		2,378.50
14	Storm Manhole	2	EA	2,268.50		4,537.00
15	Remove & Replace Pvmf	30	SY	84.50		2,535.00
	Subtotal					118,706.00
Roadway						
1	Milling Existing Pavement	3300	SY	15.50		51,150.00
2	Graded Aggregate Base C/s 8 Inch	4800	SY	24.50		117,600.00
3	Asphalt Conc 19 MM Superpave (2 Inch)	4000	SY	25.50		102,000.00
4	Asphalt Conc 9.5 MM Superpave (1.1/2 Inch)	4000	SY	12.00		48,000.00
5	Blotumous Tack Coat	400	GAL	3.50		1,400.00
6	Rein PC Conc Pvmf, Cl 3, 8" Thick, Stamped	245	SY	179.00		43,855.00
7	Concrete Median, 6" Type 7	250	SY	95.00		23,750.00
8	Cone Header Curb, 6" Type 9	275	LF	33.50		9,212.50
9	Cone Curb & Gutter, 6" x 24", Type 2	2100	LF	25.50		53,550.00
10	Cone Curb & Gutter, 6" x 24", Type 7	205	LF	37.00		7,585.00
11	Driveway Concrete & Inch	110	SY	65.00		7,150.00
12	Cone Sidewalk, 4 Inch	1150	SY	55.50		63,825.00
	Subtotal					531,112.50
Signing and Marking						
1	Highway Signs and Posts	JOB	15		6,818.00	6,818.00
2	Thermoplastic Traffic Signing	JOB				