

**COASTAL RESILIENCY & RIVERBANK RESTORATION
TOTALS**

IPSWICH, MA

**30% COST ESTIMATE
May 26, 2017**

Quantities listed are estimates only and not guaranteed to approximate the actual amounts to be used.

No.	DESCRIPTION				TOTAL AMOUNT
1.0	AREA 1C				\$40,420.00
2.0	AREA 4				\$38,085.00
Subtotal					\$78,505.00

ESTIMATED PROJECT COST

Contingency 30%

ESTIMATED PROJECT COST WITH CONTINGENCY

Engineering, Permitting and Construction Admin. (CA) 20%

TOTAL PROJECT COST

\$	78,505
\$	24,000
\$	103,000
\$	20,600
\$	123,600

**COASTAL RESILIENCY & RIVERBANK RESTORATION
AREA 1C**

IPSWICH, MA

**30% COST ESTIMATE
May 26, 2017**

Quantities listed are estimates only and not guaranteed to approximate the actual amounts to be used.

No.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
Bio Swales					
1.0	COCONUT COIR FIBER LOGS	127	LF	\$30.00	\$3,810.00
2.0	DOUBLE COCONUT COIR FIBER LOGS (STACKED)	134	LF	\$50.00	\$6,700.00
3.0	DUCKBILL SOIL ANCHORS	35	EACH	\$30.00	\$1,050.00
4.0	LIVING SHORELINE (SANDY LOAM - FILL & PLANTINGS)	500	SF	\$15.00	\$7,500.00
5.0	BOULDER PLACEMENT	424	SF	\$15.00	\$6,360.00
6.0	GRANITE CURBING	375	LF	\$40.00	\$15,000.00
Subtotal					\$40,420.00

All base costs were found at www.gulfalliancetraining.org

ESTIMATED PROJECT COST

Contingency 30%

ESTIMATED PROJECT COST WITH CONTINGENCY

Engineering, Permitting and Construction Admin. (CA) 20%

TOTAL PROJECT COST

\$	40,420
\$	12,200
\$	52,700
\$	10,540
\$	63,240

**COASTAL RESILIENCY & RIVERBANK RESTORATION
AREA 4**

IPSWICH, MA

**30% COST ESTIMATE
May 26, 2017**

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No.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.0	COCONUT COIR FIBER LOGS	245	LF	\$30.00	\$7,350.00
2.0	GRANITE TOE PROTECTION	1	EA	\$500.00	\$500.00
3.0	ROOTWAD BANK STABILIZATION	1	LS	\$1,000.00	\$1,000.00
4.0	BOULDER PLACEMENT	600	SF	\$15.00	\$9,000.00
5.0	LIVING SHORELINE (SANDY LOAM - FILL & PLANTINGS)	477	SF	\$15.00	\$7,155.00
6.0	12" HDPE PIPE	18	LF	\$60.00	\$1,080.00
7.0	OUTLET STILLING BASIN	2	LS	\$1,500.00	\$3,000.00
8.0	DRAINAGE MANHOLE	1	EA	\$4,000.00	\$4,000.00
9.0	EXTEND PIPE AND NEW HEADWALL	1	LS	\$5,000.00	\$5,000.00
Subtotal					\$38,085.00

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ESTIMATED PROJECT COST

Contingency 30%

ESTIMATED PROJECT COST WITH CONTINGENCY

Engineering, Permitting and Construction Admin. (CA) 20%

TOTAL PROJECT COST

\$	38,085
\$	11,500
\$	49,600
\$	9,920
\$	59,520