



**Naples Beach Restoration and Water Quality Improvement Project - North Pump Station**  
**60% Level Engineer's Opinion of Probable Construction Quantities and Cost**  
**Cost Summary**  
**July 2021**

ITEM NO.	DESCRIPTION OF ITEM	ESTIMATE
1	MOBILIZATION AND GENERAL REQUIREMENTS	\$ 784,640
2	PUMP STATION AND GENERATOR	\$ 5,105,800
3	STORMWATER CONSOLIDATION	\$ 2,285,230
4	OUTFALL DIFFUSER SYSTEM	\$ 398,240
5	LANDSCAPING	\$ 15,000
6	UTILITY RELOCATIONS AND CONFLICTS	\$ 100,000
<b>SUB-TOTAL</b>		<b>\$ 8,688,910</b>
CONTINGENCY (15%)		\$ 1,303,340
<b>TOTAL</b>		<b>\$ 9,992,250</b>
HORIZONTAL DIRECTIONAL DRILL (HDD) COST SUMMARY		\$ 5,539,140
<b>NORTH PUMP STATION PROJECT TOTAL</b>		<b>\$ 15,531,390</b>



**Naples Beach Restoration and Water Quality Improvement Project - North Pump Station**  
**60% Level Engineer's Opinion of Probable Construction Quantities and Cost**  
**Mobilization and General Requirements Cost Estimate**  
**July 2021**

ITEM NO.	DESCRIPTION OF ITEM	UNIT	ESTIMATED UNIT COST	ESTIMATED QUANTITY	ESTIMATE
<b>1.1</b>	<b>MOBILIZATION AND SITE WORK</b>				
1.1.1	MOBILIZATION/DEMOBILIZATION	LS	\$ 500,000	1	\$ 500,000
1.1.2	SURVEY, LAYOUT AND AS-BUILT DRAWINGS	LS	\$ 100,000	1	\$ 100,000
1.1.3	INLET PROTECTION SYSTEM	LS	\$ 1,010	1	\$ 1,010
1.1.4	SEDIMENT BARRIER	LF	\$ 1.50	0	\$ -
<b><i>SUB-TOTAL (MOBILIZATION AND SITE WORK)</i></b>					<b>\$ 601,010</b>
<b>1.2</b>	<b>REMOVE AND DISPOSE EXISTING STRUCTURES</b>				
1.2.1	REMOVE CONCRETE PAVEMENT	SY	\$ 20	0	\$ -
1.2.2	REMOVE ASPHALT PAVEMENT	SY	\$ 20	0	\$ -
1.2.3	REMOVE ASPHALT SIDEWALK	SY	\$ 20	0	\$ -
1.2.4	REMOVE CONCRETE CURB AND GUTTER	SY	\$ 20	0	\$ -
1.2.5	REMOVE AND DISPOSE EXISTING INLET STRUCTURE	EA	\$ 2,300	9	\$ 20,700
1.2.6	REMOVE AND DISPOSE EXISTING 12" RCP/14"x23" ERCP	LF	\$ 40	865	\$ 34,600
<b><i>SUB-TOTAL (REMOVE AND DISPOSE EXISTING STRUCTURES)</i></b>					<b>\$ 55,300</b>
<b>1.3</b>	<b>CONSTRUCTION MONITORING EQUIPMENT</b>				
1.3.1	NOISE AND SETTLEMENT/VIBRATION MONITORING SYSTEM	LS	\$ 85,440	1	\$ 85,440
1.3.2	PROTECTION OF PROPERTY (SENSORS, MONITORING EQUIPMENT)	LS	\$ 30,250	1	\$ 30,250
1.3.3	TEMPORARY SERVICES	LS	\$ 12,640	1	\$ 12,640
<b><i>SUB-TOTAL (CONSTRUCTION MONITORING EQUIPMENT)</i></b>					<b>\$ 128,330</b>
<b><i>SUB-TOTAL (MOBILIZATION AND GENERAL REQUIREMENTS)</i></b>					<b>\$ 784,640</b>



**Naples Beach Restoration and Water Quality Improvement Project - North Pump Station**  
**60% Level Engineer's Opinion of Probable Construction Quantities and Cost**  
**Stantec Pump Station Cost Estimate**  
**July 2021**

ITEM NO.	DESCRIPTION OF ITEM	ESTIMATE
<b>2</b>	<b>PUMP STATION &amp; GENERATOR</b>	
2.1	SITE WORK	\$ 786,300
2.2	BELOW GRADE PIPING, VALVES, AND FITTINGS	\$ 926,400
2.3	SCREENING CHAMBER	\$ 187,400
2.4	GENERATOR SYSTEM PLATFORM AND STAIRS	\$ 525,400
2.5	OFFSITE GENERATOR SITE WORK AND CABLES/CONDUITS	\$ 419,800
2.6	PUMP STATION	\$ 1,561,600
2.7	ELECTRICAL PLATFORM AND STAIRS	\$ 57,400
2.8	ELECTRICAL AND INSTRUMENTATION AND CONTROL WORK	\$ 641,500
<b><i>SUB-TOTAL (PUMP STATION AND GENERATOR)</i></b>		<b>\$ 5,105,800</b>



**Naples Beach Restoration and Water Quality Improvement Project - North Pump Station**  
**60% Level Engineer's Opinion of Probable Construction Quantities and Cost**  
**Stormwater Consolidation Cost Estimate**  
**July 2021**

ITEM NO.	DESCRIPTION OF ITEM	UNIT	ESTIMATED UNIT COST	ESTIMATED QUANTITY	ESTIMATE
<b>3.1</b>	<b>STORMWATER PIPE/CULVERT</b>				
3.1.1	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" SD	LF	\$ 310	173	\$ 53,630
3.1.2	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 30" SD	LF	\$ 350	217	\$ 75,950
3.1.3	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36" SD	LF	\$ 370	178	\$ 65,860
3.1.4	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 42" SD	LF	\$ 330	738	\$ 243,540
3.1.5	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" SD	LF	\$ 530	87	\$ 46,110
3.1.6	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 54"S/CD	LF	\$ 960	877	\$ 841,920
3.1.7	5'x 6' BOX CULVERT (TYPE IV, STEEL REINFORCED, 3" COVER, INCLUDES SUBSURFACE PIPELINE SUPPORT)	LF	\$ 1,160	170	\$ 197,200
3.1.8	30" DR-25 FPVC	LF	\$ 470	1,115	\$ 524,050
<b>SUB-TOTAL (STORMWATER CULVERT)</b>					<b>\$ 2,048,260</b>
<b>3.2</b>	<b>STORMWATER STRUCTURES</b>				
3.2.1	STRUCTURE NV-1, FDOT TYPE J STRUCTURE, 22'x34', X.X' DEEP, CLASS IV CONCRETE	EA	\$ 65,440	1	\$ 65,440
3.2.2	STRUCTURE NV-2, FDOT TYPE J STRUCTURE, 10'x10', X.X' DEEP, CLASS IV CONCRETE	EA	\$ 26,040	1	\$ 26,040
3.2.3	STRUCTURE NV-3, FDOT TYPE J STRUCTURE, 10'x10', X.X' DEEP, CLASS IV CONCRETE	EA	\$ 26,040	1	\$ 26,040
3.2.4	STRUCTURE NV-4, FDOT TYPE J STRUCTURE, 10'x10', X.X' DEEP, CLASS IV CONCRETE	EA	\$ 26,040	1	\$ 26,040
3.2.5	STRUCTURE NV-5, FDOT TYPE J STRUCTURE, 10'x10', X.X' DEEP, CLASS IV CONCRETE	EA	\$ 26,040	1	\$ 26,040
3.2.6	6'x6' DITCH BOTTOM INLET - TYPE C (TYPE J BOTTOM)	EA	\$ 9,330	1	\$ 9,330
3.2.7	5'x5' DITCH BOTTOM INLET - TYPE C (TYPE J BOTTOM)	EA	\$ 4,560	8	\$ 36,480
3.2.8	6' MANHOLE (J-8)	EA	\$ 10,330	1	\$ 10,330
3.2.9	8' MANHOLE (J-8)	EA	\$ 11,230	1	\$ 11,230
<b>SUB-TOTAL (STORMWATER STRUCTURES)</b>					<b>\$ 236,970</b>
<b>SUB-TOTAL (STORMWATER CONSOLIDATION)</b>					<b>\$ 2,285,230</b>



**Naples Beach Restoration and Water Quality Improvement Project - North Pump Station**  
**60% Level Engineer's Opinion of Probable Construction Quantities and Cost**  
**Outfall Diffuser System Cost Estimate**  
**July 2021**

ITEM NO.	DESCRIPTION OF ITEM	UNIT	ESTIMATED UNIT COST	ESTIMATED QUANTITY	ESTIMATE
<b>4.1</b>	<b>INSTALLATION</b>				
4.1.1	OFF-SITE ASSEMBLY AND TRANSPORT OF OUTFALL STRUCTURE	LS	\$ 15,000	1	\$ 15,000
4.1.2	MARINE SUPPORT FOR OUTFALL DIFFUSER SYSTEM INSTALLATION	LS	\$ 141,750	1	\$ 141,750
4.1.3	INSTALLATION OF OUTFALL DIFFUSER STRUCTURE AND HELIX ANCHORS	LS	\$ 21,900	1	\$ 21,900
<b><i>SUB-TOTAL (INSTALLATION)</i></b>					<b>\$ 178,650</b>
<b>4.2</b>	<b>PIPE, VALVES AND FITTINGS</b>				
4.2.1	30" DR-21 FPVC	LF	\$ 250	120	\$ 30,000
4.2.2	30" MJ DUCTILE IRON SOLID SLEEVE	EA	\$ 2,570	2	\$ 5,140
4.2.3	30" MJ DUCTILE IRON 11.25° BEND	EA	\$ 2,950	2	\$ 5,900
4.2.4	30" MEGALUG	EA	\$ 2,100	8	\$ 16,800
4.2.5	10" SERIES TFW WIDE BILL DIFFUSER WITH CLAMPS	EA	\$ 7,605	20	\$ 152,100
4.2.6	FURNISH & INSTALL END CAPS	EA	\$ 1,725	2	\$ 3,450
4.2.7	HELIX ANCHORS WITH STRAPPING (PAIR)	EA	\$ 1,240	5	\$ 6,200
<b><i>SUB-TOTAL (PIPE, VALVES, AND FITTINGS)</i></b>					<b>\$ 219,590</b>
<b><i>SUB-TOTAL (OFFSHORE DIFFUSER SYSTEM)</i></b>					<b>\$ 398,240</b>



**Naples Beach Restoration and Water Quality Improvement Project - North Pump Station**  
**60% Level Engineer's Opinion of Probable Construction Quantities and Cost**  
**Landscape and Utilities Cost Estimate**  
**July 2021**

ITEM NO.	DESCRIPTION OF ITEM	UNIT	ESTIMATED UNIT COST	ESTIMATED QUANTITY	ESTIMATE
<b>5</b>	<b>LANDSCAPING</b>				
5.1	PUMP STATION LANDSCAPING (ALLOWANCE)	LS	\$ 15,000.00	1	\$ 15,000
<b><i>SUB-TOTAL (LANDSCAPE)</i></b>					<b>\$ 15,000</b>
<b>6</b>	<b>UTILITIES</b>				
6.1	UTILITY RELOCATES AND CONFLICTS (ALLOWANCE)	LS	\$100,000	1	\$100,000
<b><i>SUB-TOTAL (UTILITIES)</i></b>					<b>\$ 100,000</b>