

11. LEVEE AND FLOODWALLS

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Floodwalls QUANTITY UOM CREW ID OUTPUT LABOR EQUIPMNT MATERIAL MISC TOTAL COST UNIT  
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T-wall

PZ-22 Steel Sheet Piling

This item is for all equipment, labor, and materials required to furnish  
and drive steel sheet pile for the T-wall cut off.

reference previous similar item.

PZ-22 Steel Sheet Piling	820.00	SF			0	0	0	8,200	8,200	10.00
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Floodwalls	QUANTY	UOM	CREW ID	OUTPUT	LABOR	EQUIPMNT	MATERIAL	MISC	TOTAL COST	UNIT
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Paint Sheet Pile

This item is for all equipment, labor, and materials required to paint sheet pile. it is assumed this will be done by the supplier before delivery.

Paint Sheet Pile	1640.00	SF			0	0	0	2,624	2,624	1.60
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14x14 PPC - Piling

This item is for all equipment, labor, and materials required to furnish  
 and drive precast concrete piles.

14" Prstr Sq Conc Pile				0.00	0.00	0.00	19.20	19.20	
reference previous similar item	3200.00	VLF	0.00	0	0	0	61,440	61,440	19.20
14x14 PPC - Piling	3200.00	LF		0	0	0	61,440	61,440	19.20

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Unreinforced Concrete										
This item is for all equipment, labor, and materials required to furnish and pour a concrete stabilization slab.										
Stab slab				0.00	0.00	0.00	0.00	56.00	56.00	
reference previous similar item and other NOD jobs	12.00	CY		0.00	0	0	0	672	672	56.00
Unreinforced Concrete	12.00	CY			0	0	0	672	672	56.00

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Reinforced Concrete Walls										
This item is for all equipment, labor, and materials required to furnish and place the concrete walls. This includes all forming, resteel, concrete, and finishing.										
misc	1.00	LS		0.00	0	0	0	86.69	86.69	86.69
Int Wall Form,Plywd >16'H,2 Uses Over (4.8 M) High	584.00	SF	ACARL	28.07	1,798	68	783	0	2,649	4.54
Gr 60 Resteel,Bm,Clmn,Wall,#3-#6	6.00	TON	SIWRC	0.20	2,824	32	3,343	0	6,199	1033.20
Pour Conc Wall,15"Tk,Crane & Bkt (38cm) 3000 PSI Conc	70.00	CY	ALABG	3.66	2,308	1,450	4,923	0	8,681	124.01
Wall Finishes, Light Sand Blast	584.00	SF	ACMAF	125.00	351	57	62	0	469	0.80
Wall Finishes,Break Ties & Patch	584.00	SF	ACMAA	45.00	331	2	62	0	395	0.68
Reinforced Concrete Walls	70.00	CY			7,611	1,610	9,173	87	18,480	264.00

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Floodwalls	QUANTY	UOM	CREW ID	OUTPUT	LABOR	EQUIPMNT	MATERIAL	MISC	TOTAL COST	UNIT
Reinforced Concrete Slab										
This item is for all equipment, labor, and materials required to furnish and place the concrete slab. This includes all forming, resteel, concrete, and finishing.										
concrete slab					0.00	0.00	0.00	160.00	160.00	
	60.00	CY		0.00	0	0	0	9,600	9,600	160.00
reference previous similar item										
Reinforced Concrete Slab	60.00	CY			0	0	0	9,600	9,600	160.00

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3-Bulb Waterstops

This item is for all equipment, labor, and materials required to furnish and place the waterstops in the floodwalls.

3 - Bulb Waterstop					4.82	0.10	3.08	0.00	8.00	
	30.00	LF	ACARA	5.07	145	3	93	0	240	8.00
3-Bulb Waterstops	30.00	LF			145	3	93	0	240	8.00

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Expansion Joint Filler Material

This item is for all equipment, labor, and materials required to furnish and place expansion joint material in the floodwall.

Expansion Joint Filler Material					0.76	0.02	1.62	0.00	2.40	
	90.00	SF	ACARA	32.00	69	1	146	0	216	2.40
Expansion Joint Filler Material	90.00	SF			69	1	146	0	216	2.40

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Floodwalls	QUANTITY	UOM	CREW ID	OUTPUT	LABOR	EQUIPMNT	MATERIAL	MISC	TOTAL COST	UNIT
<p>Neoprene Sheets</p> <p>This item is for all equipment, labor, and materials required to furnish and place neoprene sheeting in the T-wall.</p> <p>Historical pricing was used for similar work.</p>										
Neoprene Sheets	95.00	SF			0	0	0	3,800	3,800	40.00
T-wall					7,825	1,614	9,411	87,233	106,083	



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Paint Sheet Pile

This item is for all equipment, labor, and materials required to paint sheet pile. it is assumed this will be done by the supplier before delivery.

Historical pricing was used for similar work.

Paint Sheet Pile	33050	SF			0	0	0	52,880	52,880	1.60
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Cut Sheet Pile

This item is for all equipment, labor, and materials required to cut sheet pile to correct lengths.

Historical pricing was used for similar work.

Cut Sheet Pile	670.00	LF			0	0	0	1,340	1,340	2.00
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Structural Excavation

This item is for all equipment, labor, and materials required to perform structural excavation for the floodwall.

Historical pricing was used for similar work at NOD.

Structural Excavation	250.00	CY			0	0	0	1,600	1,600	6.40
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<p>Backfill-Fully Compacted</p> <p>This item is for all equipment, labor, and materials required to perform structural backfill around the floodwall.</p> <p>Historical pricing was used for similar work at NOD.</p>										
Backfill-Fully Compacted	125.00	CY			0	0	0	1,000	1,000	8.00

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Unreinforced Concrete										
This item is for all equipment, labor, and materials required to furnish and pour a concrete stabilization slab.										
stab slab					0.00	0.00	0.00	56.00	56.00	
	26.00	CY		0.00	0	0	0	1,456	1,456	56.00
reference previous similar item and NOD historical work										
Unreinforced Concrete	26.00	CY			0	0	0	1,456	1,456	56.00

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Floodwalls	QUANTY	UOM	CREW ID	OUTPUT	LABOR	EQUIPMNT	MATERIAL	MISC	TOTAL COST	UNIT
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Reinforced Concrete Cap-Walls										
This item is for all equipment, labor, and materials required to furnish and place the concrete walls. This includes all forming, resteel, concrete, and finishing.										
misc					0.00	0.00	0.00	2103.30	2103.30	
	1.00	LS		0.00	0	0	0	2,103	2,103	2103.30
Int Wall Form,Plywd >16'H,2 Uses Over (4.8 M) High	5294.12	SF	ACARL	26.02	17,582	669	7,096	0	25,347	4.79
Gr 60 Resteel,Bm,Clmn,Wall,#3-#6	26.47	TON	SIWRC	0.20	12,457	141	14,750	0	27,349	1033.20
Pour Conc Wall,15"Tk,Crane & Bkt (38cm) 3000 PSI Conc	540.00	CY	ALABG	3.66	17,801	11,188	37,978	0	66,968	124.01
Wall Finishes, Light Sand Blast	5294.12	SF	ACMAF	125.00	3,183	512	559	0	4,254	0.80
Wall Finishes,Break Ties & Patch	5294.12	SF	ACMAA	45.00	2,999	22	559	0	3,579	0.68
Reinforced Concrete Cap-Walls	540.00	CY			54,022	12,534	60,941	2,103	129,600	240.00

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L-Type Waterstop Material

This item is for all equipment, labor, and materials required to furnish  
 and place the waterstops in the floodwalls.

Rubber Seal				12.23	0.24	15.53	0.00	28.00		
	35.00	LF	ACARA	2.00	428	9	543	0	980	28.00
misc				0.00	0.00	0.00	0.17	0.17		
	1.00	LS		0.00	0	0	0	0	0	0.17
L-Type Waterstop Material	35.00	LF			428	9	543	0	980	28.00

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3-Bulb Waterstops										
This item is for all equipment, labor, and materials required to furnish and place the waterstops in the floodwalls.										
3 - Bulb Waterstop					0.00	0.00	0.00	8.00	8.00	
	180.00	LF		0.00	0	0	0	1,440	1,440	8.00
reference previous similar item and NOD historical data										
3-Bulb Waterstops	180.00	LF			0	0	0	1,440	1,440	8.00

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Expansion Joint Filler Material

This item is for all equipment, labor, and materials required to furnish and place expansion joint material in the floodwall.

Expansion Joint Filler Material				0.74	0.01	1.62	0.00	2.38		
	360.00	SF	ACARA	33.00	267	5	584	0	856	2.38
misc				0.00	0.00	0.00	7.71	7.71		
	1.00	LS		0.00	0	0	0	8	8	7.71
Expansion Joint Filler Material	360.00	SF			267	5	584	8	864	2.40

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Floodwalls	QUANTY	UOM	CREW ID	OUTPUT	LABOR	EQUIPMNT	MATERIAL	MISC	TOTAL COST	UNIT
Seeding, Fertilizing, & Mulch										
This item is for all equipment, labor, and materials required to fertilize, seed, and mulch the affected areas. It is assumed this will be subcontracted.										
Fertilize, Seed, and Mulch price quote from La. Erosion Control	2.00	ACR		0.00	0	0	0	1200.00	2,400	1200.00
Seeding, Fertilizing, & Mulch	2.00	ACR			0	0	0	2,400	2,400	1200.00
I-wall				54,716	12,547	62,069	262,527		391,860	
Site Work				62,541	14,161	71,480	349,760		497,942	
Associated General Items				62,541	14,161	71,480	349,760		497,942	
Floodwalls				64,710	18,549	76,473	363,651		523,382	
LEVEE AND FLOODWALLS				317,405	571,760	76,473	522,068		1,487,706	