

CITY of PARMA HEIGHTS
Nathan Hale Stormwater Basin

NEORS D 2018 Member Community Infrastructure Program

Prepared by Neff & Associates
Daniel J. Neff, P.E.
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NATHAN HALE STORMWATER BASIN

Construction of a regional stormwater management basin at Nathan Hale Park in Parma Heights. Total available storage capacity of 23 acre-feet.

	Quantity	Units	Unit Cost	Amount
Mobilization	1	Each	\$ 13,000.00	\$ 13,000.00
Traffic Control	1	Each	\$ 5,000.00	\$ 5,000.00
Excavation/Embankment	59700	CY	\$ 16.50	\$ 985,000.00
Storm Sewer	300	LF	\$ 100.00	\$ 30,000.00
Pond Outlet Structure	1	Each	\$ 10,000.00	\$ 10,000.00
Modify Existing Storm Structures	2	Each	\$ 7,500.00	\$ 15,000.00
Lawn restoration	28000	SY	\$ 5.00	\$ 140,000.00
Bonding and Insurance	1	Lump	\$ 19,500.00	\$ 19,500.00
Inspection & testing	1	Lump	\$ 12,500.00	\$ 12,500.00
	Subtotal			\$ 1,230,000.00
	Contingency			\$ 60,000.00
	Total Construction			\$ 1,290,000.00
Engineering Preliminary Design Services	1	Lump	\$ 10,500.00	\$ 10,500.00
-Surveying	1	Lump	\$ 10,000.00	\$ 10,000.00
Engineering Final Design	1	Lump	\$ 27,000.00	\$ 27,000.00
-Geotechnical Investigation	1	Lump	\$ 4,500.00	\$ 4,500.00
Construction Admin	1	Lump	\$ 6,500.00	\$ 6,500.00
	Subtotal Design Services			\$ 58,500.00
Advertisng Expense	1	Lump	\$ 1,500.00	\$ 1,500.00
TOTAL PROJECT COST				\$ 1,350,000.00

The estimated useful life of the project will be 50 years.

Danile J. Neff, P.E
Parma Heights City Engineer
Ohio P.E. 50573

