

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST
FY25 SPRING ANNUAL TOWN MEETING**

Department:	CEMETERY DIVISION	Priority #:	ONE
Project Title and Description:	ROUTE 80 CEMETERY	Total Project Cost:	\$3,472,162.00

Department/Division Head: **DIANE MAGUIRE**

Check if project is: New Resubmitted Cost estimate was developed: Internally Externally

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted:

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY26</i>		
<i>Labor and Materials</i>	\$3,472,162.00		<i>FY27</i>		
<i>Administration</i>			<i>FY28</i>		
<i>Land Acquisition</i>			<i>FY29</i>		
<i>Equipment</i>			<i>FY30</i>		
<i>Other</i>					
<i>Contingency</i>					
Total Capital					

Project Justification and Objective:

For Capital Project Requests:

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan
Can this project be phased over more than one fiscal year?

Yes No
Yes No

For Capital Equipment Requests:

Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

What is the expected lifespan of this new/replacement equipment:

Attach backup information, estimates, or justification to support this request.



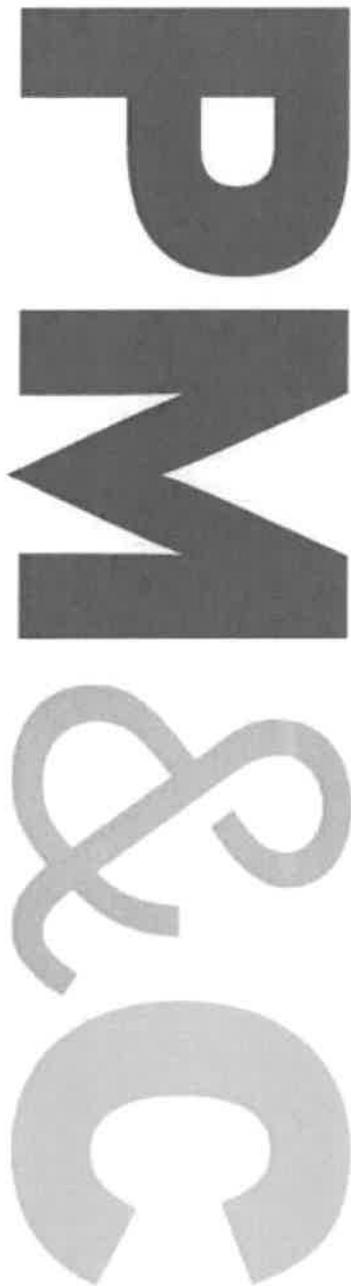
TOWN OF PLYMOUTH
VINE HILLS CEMETERY & CREMATORIAL
102 Samoset Street
Plymouth, Massachusetts 02360
(508) 830-4078
FAX: (508) 830-4141

MEMORANDUM

TO: Lynne Barrett, Finance Director
FR: Diane Maguire, Cemetery & Crematory Superintendent
CC: William Coyle, DPW Director, Derek Brindisi, Town Manager & Silvio Genoa, Assistant Town Manager
DT: August 9, 2024
RE: Capital Request FY2025 Fall Town Meeting

The Town of Plymouth owned cemeteries are running out of burial space and currently have a moratorium during which lots may only be purchased when there has been a death. Even with this moratorium, we have an estimated 2-3 years left of burial space.

The design and permitting for the Route 80 cemetery site are ongoing and should be completed by the end of year 2024. The Cemetery Division is asking for \$3,472,162.00 for the construction and opening of phase 1 of the project. Phase 1 includes the development of 3 acres of the 40-acre parcel. It will contain approximately 3500 burial spaces which are estimated to last 15 years. A footprint for a future building has been included in the plans but is not included for construction in the first phase.



Schematic Design Estimate

Route 80 Cemetery New Site

Plymouth, MA

PM&C LLC
20 Downer Avenue, Suite 5
Hingham, MA 02043
(T) 781-740-8007

Prepared for:
Ray Dunetz Landscape Architecture Inc.

August 26, 2024
Rev4

**Route 80 Cemetery**

New Site

26-Aug-24

Plymouth, MA

Schematic Design Estimate**MAIN CONSTRUCTION COST SUMMARY**

	Construction Start		Estimated Construction Cost
PHASE 1			
SITEWORK			\$2,478,252
SUB-TOTAL	Spring 2025		\$2,478,252
ESCALATION TO START	4.6%		\$114,000
DESIGN AND PRICING CONTINGENCY	12.5%		\$309,782
SUB-TOTAL			\$2,902,034
GENERAL CONDITIONS/ GR's	10%		\$290,203
BONDS	1.00%		\$29,020
INSURANCE	1.20%		\$34,824
PERMIT			NIC
OVERHEAD AND FEE	4.00%		\$116,081
CONSTRUCTION CONTINGENCY			By Owner
Archaeology Monitoring	1	LS	\$75,000
Cemetery software and laptops	1	LS	\$25,000
TOTAL OF ALL CONSTRUCTION	Spring 2025		\$3,472,162



Route 80 Cemetery

New Site

26-Aug-24

Plymouth, MA

Schematic Design Estimate

This Schematic design cost estimate was produced from drawings received from Ray Dunetz Landscape Architecture Inc. and their design team dated June 21, 2024. Design and engineering changes occurring subsequent to the issue of these documents have not been incorporated in this estimate.

This estimate includes all direct construction costs, General Contractor's overhead, fee and design contingency. Cost escalation assumes start dates indicated.

Bidding conditions are expected to be public bidding under Chapter 30/39 of the Massachusetts General Laws to pre-qualified general contractors, and pre-qualified sub-contractors, open specifications for materials and manufacturers.

The estimate is based on prevailing wage rates for construction in this market and represents a reasonable opinion of cost. It is not a prediction of the successful bid from a contractor as bids will vary due to fluctuating market conditions, errors and omissions, proprietary specifications, lack or surplus of bidders, perception of risk, etc. Consequently the estimate is expected to fall within the range of bids from a number of competitive contractors or subcontractors, however we do not warrant that bids or negotiated prices will not vary from the final construction cost estimate.

ITEMS NOT CONSIDERED IN THIS ESTIMATE

Items not included in this estimate are:

- Land acquisition, feasibility, and financing costs
- All professional fees and insurance
- Site or existing conditions surveys investigations costs, including to determine subsoil conditions
- Items identified in the design as Not In Contract (NIC)
- Items identified in the design as by others
- Owner supplied and/or installed items as indicated in the estimate
- Utility company back charges, including work required off-site
- Work to City streets and sidewalks, (except as noted in this estimate)
- Construction contingency

Schematic Design Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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PHASE 1 - SITEWORK

G SITEWORK							
G10 SITE PREPARATION & DEMOLITION							
311000 GENERAL CONDITIONS							
6' high site construction fence - only along rt.80 entrances							
255 lf 16.00 4,080							
6' high site construction fence double gate							
2 loc 5,000.00 10,000							
Site construction entrance and removal/restoration							
2 loc 10,000.00 20,000							
Site construction fence maintenance							
255 lf 5.00 1,275							
Mobilization & Demobilization							
1 ea 25,000.00 25,000							
Snow fence @ archaeological buffer							
1 ls 5,000.00 5,000							
Temp laydown areas							
1 ls 10,000.00 10,000							
Snow removal - allowance							
1 ls Excluded							
Winter conditions - allowance							
1 ls Excluded							
Police details							
1 ls Excluded							
Site security							
1 ls Excluded							
Job site construction trailer							
1 ls Excluded							
Temp utilities for job trailer							
1 ls Excluded							
311000 VEGETATION & TOPSOIL MANAGEMENT							
Tree clearing							
5 acre 8,000.00 40,000							
Stump removal							
5 acre 4,000.00 20,000							
Tree protection allowance							
1 ls 10,000.00 10,000							
Strip + stockpile							
8,000 cy 11.00 88,000							
312000 EROSION & SEDIMENT CONTROL							
Silt Fence; installation and removal							
3,144 lf 15.00 47,160							
Silt Sacks; installation and removal - allowance							
1 ls 2,500.00 2,500							
Erosion Control monitoring & maintenance							
1 ls 10,000.00 10,000							
SUBTOTAL							
293,015							
312000 SITE EARTHWORK							
Site supervision/layout							
6 wk 3,000.00 18,000							
Site cut to design subgrade							
5,600 cy							
Cut							
5,600 cy 8.75 49,000							
Stockpile/move around site							
5,600 cy 5.68 31,808							
Site fill to design subgrade							
6,500 cy							
Fill onsite site soils - place/compact							
5,600 cy 13.57 75,992							
Fill onsite site soils - place/compact - excess topsoil							
2,000 cy 13.57 27,140							
312000 ESTABLISHING GRADE							
Sub grade establishment							
290,000 sf 0.15 43,500							
Fine grading throughout the site							
290,000 sf 0.30 87,000							
SUBTOTAL							
332,440							
TOTAL - SITE PREPARATION							
\$625,455							
G20 SITE IMPROVEMENTS							
320000 ROADWAYS AND PARKING LOTS							
Asphalt Paving; parking lots and roadway							
27,713 sf 45.38 46,560							
gravel base; 12" thick							
1,026 cy 45.38 46,560							
Place/Compact							
27,713 sf 6.14 170,238							
asphalt top; 2" thick							
354 tns 175.00 61,950							
asphalt binder; 2" thick							
354 tns 130.00 46,020							
320000 ROAD MARKINGS AND SIGNS							
Sign allowance - 8 one-way signs							
8 ea 875.00 7,000							
Entrance sign allowance							
1 ls 10,000.00 10,000							
Pavement markings allowance							
1 ls 10,000.00 10,000							
SUBTOTAL							
351,768							
320000 PEDESTRIAN PAVING							
Concrete pads							
56 sf 45.38 91							
gravel base; 12" thick							
2 cy 45.38 91							
Place/Compact							
2 cy 622.84 1,246							

Schematic Design Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
PHASE 1 - SITEWORK								
60	Broom finish concrete paving; 7" thick	56	sf	17.00	952			
61	<u>Pavers at plaza and columbarium</u>	2,549	sf					
62	gravel base; 8" thick	63	cy	50.00	3,150			
63	Place/Compact	2,549	sf	4.54	11,574			
64	Concrete slab paving; 4" thick	2,549	sf	9.00	22,941			
65	Concrete pavers	2,549	sf	28.00	71,372			
66	Geotextiles	2,549	sf	0.55	1,402			
67	Edging	284	lf	18.00	5,112			
68	<u>Stabilized stone dust pathway</u>	1,727	sf					
69	Gravel base; 6" thick	32	cy	45.38	1,452			
70	Stone dust 4" thick	43	tns	150.00	6,450			
71	Place/Compact	587	sf	19.72	11,574			
72	SUBTOTAL					137,316		
73	320000 SITE IMPROVEMENTS							
74	SITE FURNISHINGS							
75	Benches - granite	4	ea	4,200.00	16,800			
76	Excavation/backfill	4	ea	1,929.05	7,716			
77	Benches - steel with wood topper	4	ea	3,500.00	14,000			
78	Software/laptops allowance	1	ls	25,000.00	See Summary			
79	Flagpole - 30' Ht.	3	ea	7,000.00	21,000			
80	Flagpole foundation	3	ea	4,500.00	13,500			
81	Columbarium	2	ea	45,225.00	90,450			
82	Columbarium foundations	9	cy	1,250.00	11,250			
83	Excavation/backfill	2	ea	3,858.10	7,716			
84	Columbarium engineering - per memo	1	ls	3,000.00	3,000			
85	320000 FENCING							
86	6' Ht - Ameristar fencing along route 80	800	lf	182.00	145,600			
87	4' Ht - Chain link fence	500	lf	65.00	32,500			
88	Split-rail fence	1,734	lf	55.00	95,370			
89	Vehicular gate, manual	2	ea	8,500.00	17,000			
90	SUBTOTAL					475,902		
91	Landscaping							
92	329900 LAWN AND SEED							
93	Screen topsoil	6,000	cy	7.50	45,000			
94	Export tailings from screening process - assume clean rock	1,800	cy	8.50	15,300			
95	Amend/Place	4,200	cy	20.00	84,000			
96	Soil and at planting areas; 6" thick	540	cy	65.00	35,100			
97	Mulch at planting areas; 2" thick	173	cy	50.00	8,650			
98	Power rake and hydroseed disturbed areas	157,675	sf	0.36	56,763			
99	Bio-retention seeding	12,036	sf	1.25	15,045			
100	329900 TREES							
101	Deciduous trees - 2-2.5" cal.	30	ea	1,800.00	54,000			
102	Ornamental trees - 7-8' Ht.	20	ea	1,500.00	30,000			
103	Evergreen trees - 5-6' Ht.	100	ea	500.00	50,000			
104	329900 SHRUBS AND GROUNDCOVERS							
105	Shrubs for Scattering Gardens	200	ea	100.00	20,000			
106	Perennials for Scattering Gardens	500	ea	35.00	17,500			
107	329900 MAINTENANCE							
108	1-yr plant maintenance	1	ls	15,000.00	15,000			
109	328400 IRRIGATION							
110	Irrigation areas - assume not required							
111	SUBTOTAL					446,358		
112	TOTAL - SITE IMPROVEMENTS							
113							\$1,411,344	

Schematic Design Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
PHASE 1 - SITEWORK							
G30 CIVIL MECHANICAL UTILITIES							
331000	<i>WATER UTILITIES</i>						
Well and pump		1	ls	65,000.00	65,000		
3/4" copper water line		647	lf	65.00	42,055		
Water service to hose bibbs in burial areas, 6 loc - per email		6	ea	3,500.00	21,000		
SUBTOTAL						128,055	
334000	<i>STORM DRAINAGE</i>						
4' Dia. DMH - 0'-5' deep		1	ea	4,200.00	4,200		
CB - 4' Dia.		1	ea	3,800.00	3,800		
FES		1	ea	2,500.00	2,500		
12" HDPE		375	lf	70.00	26,250		
334000	<i>SURFACE DRAINAGE SYSTEMS</i>						
Biofiltration basin		12,036	sf	18.00	216,648		
SUBTOTAL						253,398	
TOTAL - SITE MECHANICAL UTILITIES							
							\$381,453
G40 ELECTRICAL UTILITIES							
260000	<i>ELECTRICAL UTILITIES</i>						
New electrical service		1	ls	30,000.00	30,000		
Power to pump		1	ls	10,000.00	10,000		
Power to flagpole		1	ls	10,000.00	10,000		
Well power connection service allowance		1	ls	10,000.00	10,000		
SUBTOTAL						60,000	
TOTAL - ELECTRICAL UTILITIES							
							\$60,000
TOTAL - SITE DEVELOPMENT							
							\$2,478,252