

CAMBRIDGE (SOUTHFIELD TO LATHRUP)GW NO.:PromotionalPERFORATED PIPE DRAINAGE S.A.D.DATE:December 29, 2020

PRELIMINARY CONSTRUCTION COST ESTIMATE

This estimate is for the installation of an 8 inch perforated pipe on the south side of Cambridge from Lathrup to the Southfield Alley. The north side will have drainage structures and some perforated pipe at each residential greenbelt for drainage and connected to the south side. Residential drives and greenbelt costs are included from the sidewalk to 7 feet towards the road (the city's cost will include the remaining 3 feet of the driveway and greenbelt as part of the road reconstruction).

TEM WORK ACTIVITY	QUANTITY	UNIT	UNIT PRICE	TOTAL	COMMENTS
EMOLITION					
Rem concrete driveways	145	SY	\$15.00	\$2,175.00	11 drives x 17' wide x 7' deep
Culv, rem, less than 24" dia	345	FT	\$12.00	\$4,140.00	•
		-		\$0.00	
SUBTOTAL - DEMOLITION				\$6,315	:
ARTHWORK					
Topsoil stripping	88	CY	\$40.00	\$3,520.00	4" thick x 7,105 sft
Fine grading and compaction	790	SY	\$2.00	\$1,580.00	7' wide greenbelt
		-		\$0.00	
SUBTOTAL - EARTHWORK				\$5,100	
IL EROSION SEDIMENT CONTROL					
Inlet/CB filter	14	EA	\$100.00	\$1,400.00	1 per drainage structure
		-		\$0.00	
SUBTOTAL - EROSION CONTROL				\$1,400	
ORM SEWER					
Underdrain, Perforated PVC, 8" Dia	725	LF	\$25.00	\$18,125.00	Wrapped
Sewer, PVC, 8" Dia	160	LF	\$40.00	\$6,400.00	Road crossings
Dr Structure Tap, 8 inch	1	EA	\$350.00	\$350.00	
Dr Structure, 24" Dia	14	EA	\$1,350.00	\$18,900.00	
Dr Structure Cover, Type E	14	EA	\$300.00	\$4,200.00	•
× 71		-		\$0.00	
SUBTOTAL - STORM SEWER				\$51,225	
ONCRETE PAVEMENTS					
6" nonreinf Conc. driveway	145	SY	\$50.00	\$7,250.00	11 ea x 17' ave width x 7'
•		-		\$0.00	
SUBTOTAL - CONCRETE PAVEMEN	\$7,250				
ANDSCAPING					
Topsoil surf., furnish, 2"	790	SY	\$4.00	\$3,160.00	7' wide from sidewalk
Hydroseed or Class "A" sodding	790	SY	\$5.00	\$3,950.00	
Watering, Sod or Seed	30	Units	\$100.00	\$3,000.00	37 gals / syd (790 x 37 / 100)
, attimg, sea of seed		-		\$0.00	
SUBTOTAL - LANDSCAPING		_		\$10,110	
OBILIZATION AND MINOR TRAFFIC CO	ONTROL				
Mobilization, Max 3%	0	LS	\$2,442	\$0	Included in Road Paving
Minor Traffic Control Devices, Max 3%	0	LS	\$2,442	\$0	Included in Road Paving
SUBTOTAL - MOBILIZATION AND MINOR TRAFFIC CONTROL				\$0	
					1
SUBTOTAL CONSTRUCTION COST				\$81,400	

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CONSTRUCTION CONTINGENCY	15%	\$12,210
SUBTOTAL ENGINEERING, BIDDING, INSPECTION	15%	\$14,042
TOTAL ESTIMATED COST		\$107,652

QUANTITY UNIT UNIT PRICE

TOTAL

COMMENTS

Specific work items that ARE NOT included in this estimate include:

It should be pointed out that since we have no control over the Contractor's method of determining prices, competitive bidding or market conditions, our opinion of the probable construction cost as provided for herein is made on the basis of experience and represents our best judgment as design professionals. We cannot guarantee that the final construction cost will not vary from this estimate.

Respectfully, GIFFELS WEBSTER

ITEM WORK ACTIVITY

Estimate Prepared By: Scott A. Ringler, PE

Date: June 27, 2021

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