

**PUBLIC IMPROVEMENTS AGREEMENT CONSTRUCTION ESTIMATE
WATER AND SEWER LINEAL PROJECTS**

Contract No.: _____ Date: _____
 Bidder: _____
 Name of Business: _____
 Business Address: _____


SEWER		Quantity	Units	Unit Price	Total Price
101	Furnish and install sanitary sewer, including excavation, backfill fittings and appurtenances.				
	a. 6-inch diameter PVC pipe	_____	LF	\$0.00	
	b. 8-inch diameter PVC pipe	_____	LF	\$0.00	
	c. 10-inch diameter PVC pipe	_____	LF	\$0.00	
	d. 12-inch diameter PVC pipe	_____	LF	\$0.00	
102	Furnish and install Frederick County standard manhole complete, including steps, frame, cover, stubs and plugs				
	a. 48-inch standard	_____	EA	\$0.00	
	b. 48-inch std. w/watertight frame & cover	_____	EA	\$0.00	
	c. 48-inch shallow	_____	EA	\$0.00	
	d. 48-inch shallow w/watertight frame & cover	_____	EA	\$0.00	
	e. 72-inch standard	_____	EA	\$0.00	
	f. 72-inch std. w/watertight frame & cover	_____	EA	\$0.00	
	g. 48-inch standard over existing line	_____	EA	\$0.00	
103	Furnish and install manhole drop connection per Frederick County Standards				
	a. Type "E"	_____	EA	\$0.00	
	b. Type "F"	_____	EA	\$0.00	
	c. Inside Drop	_____	EA	\$0.00	
104	Furnish and install 6-inch sanitary sewer house connection Standard Type "A", including excavation, backfill, field connection, fitting and cleanout.				
	a. Single	_____	EA	\$0.00	
	b. Double	_____	EA	\$0.00	
105	Furnish and install 6-inch sanitary sewer drop house connection, including excavation, backfill, concrete, field connection, fitting and cleanout per Frederick County Standards.				
	a. Type "A" single	_____	EA	\$0.00	
	double	_____	EA	\$0.00	
	b. Type "B" single	_____	EA	\$0.00	
	double	_____	EA	\$0.00	
	c. Type "C" single	_____	EA	\$0.00	
	double	_____	EA	\$0.00	
	d. Type "D" single	_____	EA	\$0.00	
	double	_____	EA	\$0.00	
	e. Type "E" single	_____	EA	\$0.00	
	double	_____	EA	\$0.00	
	f. Type "F" single	_____	EA	\$0.00	
	double	_____	EA	\$0.00	
	g. Inside Drop single	_____	EA	\$0.00	
	double	_____	EA	\$0.00	

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	Quantity	Units	Unit Price	Total Price
106 Furnish and install sanitary sewer main line cleanout complete, including excavation, backfill, concrete frame and cover, per Frederick County Standard.	_____	EA	\$0.00	
107 Furnish and install steel casing with carrier pipe, complete per Frederick County Standard 215.				
a. For 6-inch carrier pipe	_____	LF	\$0.00	
b. for 8-inch carrier pipe	_____	LF	\$0.00	
c. For 10-inch carrier pipe	_____	LF	\$0.00	
d. For 12-inch carrier pipe	_____	LF	\$0.00	
e. For _____-inch carrier pipe	_____	LF	\$0.00	
108 Televise all sewer mains and laterals, provide DVD and written report	_____	LS	\$0.00	

WATER

301 Furnish and install ductile iron pipe water main, including excavation, backfill, fittings, caps, buttresses and anchors.				
a. 4-inch diameter	_____	LF	\$0.00	
b. 6-inch diameter	_____	LF	\$0.00	
c. 8-inch diameter	_____	LF	\$0.00	
d. 10-inch diameter	_____	LF	\$0.00	
e. 12-inch diameter	_____	LF	\$0.00	
f. _____-inch diameter	_____	LF	\$0.00	
302 Furnish and install gate valve in water main, including strapping, tie rods, valve box and lid.				
a. 4-inch diameter	_____	EA	\$0.00	
b. 6-inch diameter	_____	EA	\$0.00	
c. 8-inch diameter	_____	EA	\$0.00	
d. 10-inch diameter	_____	EA	\$0.00	
e. 12-inch diameter	_____	EA	\$0.00	
f. _____-inch diameter	_____	EA	\$0.00	
303 Furnish and install 6-inch fire hydrant and valve, including excavation, backfill, tee, pipe, buttresses and anchors.				
a. Standard fire hydrant	_____	EA	\$0.00	
b. Dewatering fire hydrant	_____	EA	\$0.00	
304 Furnish and install Frederick County standard cap and blow-off for water main, including excavation, backfill, fitting, gate valve, valve boxes, lids, buttresses complete.				
	_____	EA	\$0.00	
305 Furnish and install 2-inch automatic air release valve, including excavation, backfill, manhole, appurtenances, complete per Frederick County Standards.				
	_____	EA	\$0.00	
306 Furnish and install Frederick County standard water house connection, including excavation, backfill, tapping, fittings, Type "k" copper tubing, meter vault, and lids, complete per Frederick County Standards				
a. 1-inch Single Water Meter Setting	_____	EA	\$0.00	
b. 1-inch Double Water Meter Setting	_____	EA	\$0.00	
c. 1½ -inch Single Water Meter Setting	_____	EA	\$0.00	
d. 2-inch Single Water Meter Setting	_____	EA	\$0.00	
	_____	EA	\$0.00	
	_____	EA	\$0.00	
	_____	EA	\$0.00	
	_____	EA	\$0.00	

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	Quantity	Units	Unit Price	Total Price
307 Furnish and install compound detector meter installation. Complete per Frederick County Standard Details 112.1 and 112.2				
a. 4 inch meter installation	_____	EA	\$0.00	
b. 6 inch meter installation	_____	EA	\$0.00	
c. 8 inch meter installation	_____	EA	\$0.00	
d. _____-inch meter installation	_____	EA	\$0.00	
308 Furnish and install DI tapping sleeve and valve, complete including excavation, backfill, fittings, valve box and lid, and buttresses, per Frederick County Standards.				
a. 4-inch tapping sleeve and valve	_____	EA	\$0.00	
b. 6-inch tapping sleeve and valve	_____	EA	\$0.00	
c. 8-inch tapping sleeve and valve	_____	EA	\$0.00	
d. _____-inch tapping sleeve and valve	_____	EA	\$0.00	
309 Furnish and install steel casing with carrier pipe, complete per Frederick County Standards				
a. For 4-inch carrier pipe	_____	LF	\$0.00	
b. For 6-inch carrier pipe	_____	LF	\$0.00	
c. For 8-inch carrier pipe	_____	LF	\$0.00	
d. For 10-inch carrier pipe	_____	LF	\$0.00	
e. For 12-inch carrier pipe	_____	LF	\$0.00	
f. For _____-inch carrier pipe	_____	LF	\$0.00	
310 Provide two consecutive passing bacteria test per specifications	_____	LS	\$0.00	

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Quantity Units Unit Price Total Price

MISCELLANEOUS

501 Remove and replacing existing pavement for County highway, State Highway, per Frederick County Specifications Section 2610 and Standards.

a. County Highway – Trench Repair	_____	SY	_____	\$0.00
b. Maryland State Highway – Trench Repair	_____	SY	_____	\$0.00
c. County Highway – Mill & Overlay	_____	SY	_____	\$0.00
d. Maryland State Highway – Mill & Overlay	_____	SY	_____	\$0.00

502 Furnish and install slope and/or channel protection per Frederick County Specifications Section 2230 and Standards

a. Rip Rap	_____	SY	_____	\$0.00
b. Grouted Rip Rap	_____	SY	_____	\$0.00
c. Concrete	_____	SY	_____	\$0.00
d. Gabions	_____	SY	_____	\$0.00

503 Furnish and install concrete encasement and/or cradle, per Frederick County Standards.

_____ CY _____ \$0.00

CONTINGENT ITEMS

601 Excavation and stone backfill below subgrade, per Frederick County Specifications Section 2200

_____ CY _____ \$0.00

602 Test pit excavation and backfill

_____ CY _____ \$0.00

Total proposed amount SEWER _____ \$0.00

Total proposed amount WATER _____ \$0.00

Add 15% Contingency _____ \$0.00

Total Contract Amount _____ \$0.00

Prepared By

Print Name: _____

Signature: _____

Checked By (Frederick County Staff)

Initials: _____ Date: _____