



SOLICITATION SIGNATURE PAGE

(Please attach to Goal Setting Worksheet and API Recommendation Form)

Department/Division Palm Beach County Water Utilities Department

Project Name/Number 2020 Wet Tapping and Line Stops Continuing Construction Contract / WUD 20-020

Contract Manager Michael Technow

Phone/ E-mail 561-251-6258 / mtechnow@pbcwater.com

Estimated Date of Advertising 4/19/20 Estimated Dollar Value of Project \$5,492,710.22

Type of Solicitation Invitation to Bid (IFB)

DEPARTMENT/DIVISION/OFFICE

SIGNATURE AND DATE

M.T.

Originating Department/Division

Kristin Bell 3-17-2020

Department/Division Director

Fed

[Signature] 3-17-2020

OEBO

Goal Setting Committee Chairperson



Solicitation Review and API Recommendation

Department/Division Palm Beach County Water Utilities Department
Project Name/Number 2020 Wet Tapping and Line Stops Continuing Construction Contract / WUD 20-020
Contract Manager Michael Technow
Phone/e-Mail 561-493-6072 / mtechnow@pbcwater.com
Estimated Date of Advertising 4/19/20 Estimated Dollar Value of Project \$5,492,710.22
Type of Solicitation Invitation for Bid (IFB)

The following steps have been taken in the review of the scope of services and terms:

EARLY/FORMAL REVIEW*

A review of the Terms and Conditions of the solicitation and contract has been reviewed and removed any language or conditions that may adversely impact S/M/WBE firms to respond.

Special contract requirements are included due to the following:

This solicitation has been reviewed to identify opportunities for De-Bundling or Aggregating to increase competition among S/M/WBE firms.

This solicitation review has considered and determined this contract is sized to maximize S/M/WBE participation in the bidding process. The following steps were taken:

OEBO vendor directory was used to determine potential S/M/WBE participation.

- The following opportunities have been combined to increase the competition among S/M/WBE firms:

- The selection criteria will not unnecessarily restrict competition or adversely impact the ability for S/M/WBE firms to respond or participate as subcontractors. The following steps were taken:

SBE Price Preference

- The project will be advertised for a minimum of 30 days unless where practical or for a longer period if required by state law.
- Researched relative availability for the particular good or service at the prime and subcontractor levels.
- Consult with department management which API will create maximum opportunity for S/M/WBEs or prepare Waiver.
- Complete Goal Setting form with backup documentation.
- The originating department has determined there are no S/M/WBE subcontracting opportunities and have included documentation associated with the **No API** recommendation on the Goal Setting Worksheet.
- Forward to the OEBO for review.
- If the OEBO agrees, submit to the Purchasing or Originating Department.
- If the OEBO disagrees, change and submit to Purchasing or Originating Department.

MANDATORY REVIEW

Complete Department Goal Setting Form, attach to Solicitation Document and forward to the OEBO for the Goal Setting Committee.

*A Solicitation Signature Page should be attached and signed at each step of the review process.

GOAL SETTING

Project Summary Worksheet

Availability Adjustment/Weighting

ORIGINATING DEPARTMENT: Water Utilities DATE: March 11, 2020

SOLICITATION NAME: Mechanical Integrity Testing (MIT) of the SRPF, WTP 11 & SROC Deep Injection Wells PROJECT No. WUD 20-025

TYPE OF SOLICITATION: IFB CATEGORY: CONSTRUCTION

SCOPE OF PROJECT:

Perform required mechanical integrity testing (MIT) of deep injection wells located at Southern Region Pumping Facility (SRPF), Water Treatment Plant 11 (WTP 11), and Southern Region Operations Center (SROC).

COMMODITY CODE	PRIMARY DISCIPLINE/TRADE DESCRIPTION	ESTIMATED COST	PERCENTAGE OF PROJECT COST
96296	Well Services (Including Oil, Gas, and Water): Drilling, Plu	\$ 145,000.00	100.00%
			0.00%
			0.00%
			0.00%
			0.00%
			0.00%
			0.00%
			0.00%
			0.00%
			0.00%
			0.00%
		\$145,000.00	100.00%

AVAILABILITY

COMMODITY	RACE/ETHNICITY				Total S/M/WBE	NON-SMWBE	TOTAL FIRM	PERCENT OF WORK
	SBE	WBE	M/WBE	AABE				
96296	2	0	1	1	3	4	7	100.00%
0			0		0	0		0.00%
0			0		0	0		0.00%
0			0		0	0		0.00%
0			0		0	0		0.00%
0			0		0	0		0.00%
0			0		0	0		0.00%
0			0		0	0		0.00%
0			0		0	0		0.00%
0			0		0	0		0.00%
Total	2	0	1	1	3	4	7	100.00%

COMMODITY AVAILABILITY

COMMODITY	SBE	WBE	M/WBE	AABE	NABE	HABE	ABE	Total S/M/WBE	NON-SMWBE	WEIGHT	
96296	0.28571	0.00000	0.14286	0.14286	0.00000	0.00000	0.00000	0.42857	0.57143	1.000	
0				0.00000		0.00000		0.00000	0.00000	0.000	
0				0.00000		0.00000		0.00000	0.00000	0.000	
0				0.00000		0.00000		0.00000	0.00000	0.000	
0				0.00000		0.00000		0.00000	0.00000	0.000	
0				0.00000		0.00000		0.00000	0.00000	0.000	
0				0.00000		0.00000		0.00000	0.00000	0.000	
0				0.00000		0.00000		0.00000	0.00000	0.000	
0				0.00000		0.00000		0.00000	0.00000	0.000	
0				0.00000		0.00000		0.00000	0.00000	0.000	
TOTAL	0.28571	0.00000	0.14286	0.14286	0.00000	0.00000	0.00000	0.42857	0.57143		
X 1	28.57%	0.00%	14.29%	14.29%	0.00%	0.00%	0.00%	42.86%	57.14%		

YTD UTILIZATION:

SBE	MBE	WBE	AABE	NABE	HABE	ABE

GOAL SETTING
Project Summary Worksheet
Availability Adjustment/Weighting

ORIGINATING DEPARTMENT: Water Utilities DATE: March 11, 2020

SOLICITATION NAME: Mechanical Integrity Testing (MIT) of the SRPF, WTP 11 & SROC Deep Injection Wells PROJECT No. WUD 20-025

TYPE OF SOLICITATION: IFB CATEGORY: CONSTRUCTION

AVAILABLE APIS:

20% Mandatory SBE Subcontracting Goal
SBE Price Preference

DEPARTMENT RECOMMENDED API:

SBE Price Preference

Krystin Bernsten, P.E.
DEPARTMENT REPRESENTATIVE NAME

WUD Director of Engineering

Krystin Bernsten, P.E.
DEPARTMENT REPRESENTATIVE SIGNATURE

OEBO RECOMMENDED API:

SBE Price Preference

Angie Whitaker
OEBO REVIEWER NAME

4/8/2020

Angie Whitaker
OEBO REVIEWER SIGNATURE

4/8/2020

GOAL SETTING COMMITTEE DETERMINATION

Ordinance Reference: _____

GOAL SETTING COMMITTEE CHAIRPERSON NAME

GSC DATE: _____

GOAL SETTING COMMITTEE CHAIRPERSON SIGNATURE

**ATTACHMENT E
SCHEDULE OF BID ITEMS**

**Palm Beach County Water Utilities Department
Continuing Construction Contract for Pipe Wet Tapping and Line Stops
WORK AUTHORIZATION NO.**

Contractor Name:

Project Name:

Project No.: WUD

20-020		

2020

NO.	BID ITEM	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	TOTAL ITEM	OEB0 CODE
1	4" Tapping Valve MJ RW	1	Each	\$ 44.00	\$ 669.19	\$ 713.19	\$ 713.19	91389
2	6" Tapping Valve MJ RW	1	Each	\$ 44.00	\$ 946.22	\$ 990.22	\$ 990.22	91389
3	8" Tapping Valve MJ RW	1	Each	\$ 44.00	\$ 1,404.15	\$ 1,448.15	\$ 1,448.15	91389
4	10" Tapping Valve MJ RW	1	Each	\$ 77.00	\$ 2,117.61	\$ 2,194.61	\$ 2,194.61	91389
5	12" Tapping Valve MJ RW	1	Each	\$ 77.00	\$ 3,197.92	\$ 3,274.92	\$ 3,274.92	91389
6	14" Tapping Valve MJ RW	1	Each	\$ 110.00	\$ 7,342.06	\$ 7,452.06	\$ 7,452.06	91389
7	16" Tapping Valve MJ RW	1	Each	\$ 110.00	\$ 8,326.23	\$ 8,436.23	\$ 8,436.23	91389
8	18" Tapping Valve MJxFL (vertical installation)	1	Each	\$ 110.00	\$ 14,069.33	\$ 14,179.33	\$ 14,179.33	91389
9	20" Tapping Valve MJxFL (vertical installation)	1	Each	\$ 192.50	\$ 16,692.94	\$ 16,885.44	\$ 16,885.44	91389
10	24" Tapping Valve MJxFL (horizontal installation)	1	Each	\$ 275.00	\$ 23,311.42	\$ 23,586.42	\$ 23,586.42	91389
11	30" Tapping Valve MJxFL (horizontal installation)	1	Each	\$ 330.00	\$ 50,734.09	\$ 51,064.09	\$ 51,064.09	91389
12	36" Tapping Valve MJxFL (horizontal installation)	1	Each	\$ 385.00	\$ 58,625.16	\$ 59,010.16	\$ 59,010.16	91389
13	42" Tapping Valve MJxFL (horizontal installation)	1	Each	\$ 495.00	\$ 89,425.38	\$ 89,920.38	\$ 89,920.38	91389
14	48" Tapping Valve MJxFL (horizontal installation)	1	Each	\$ 605.00	\$ 104,400.45	\$ 105,005.45	\$ 105,005.45	91389
15	54" Tapping Valve MJxFL (horizontal installation)	1	Each	\$ 715.00	\$ 146,331.41	\$ 147,046.41	\$ 147,046.41	91389
16	4" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 34.16	\$ 34.16	\$ 34.16	91389
17	6" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 45.54	\$ 45.54	\$ 45.54	91389
18	8" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 60.72	\$ 60.72	\$ 60.72	91389
19	10" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 105.00	\$ 105.00	\$ 105.00	91389
20	12" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 137.89	\$ 137.89	\$ 137.89	91389
21	14" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 145.48	\$ 145.48	\$ 145.48	91389
22	16" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 249.21	\$ 249.21	\$ 249.21	91389
23	18" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 384.56	\$ 384.56	\$ 384.56	91389
24	20" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 469.32	\$ 469.32	\$ 469.32	91389
25	24" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 676.78	\$ 676.78	\$ 676.78	91389
26	30" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 803.28	\$ 803.28	\$ 803.28	91389
27	36" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 2,026.53	\$ 2,026.53	\$ 2,026.53	91389
28	42" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 3,434.48	\$ 3,434.48	\$ 3,434.48	91389
29	48" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 3,528.09	\$ 3,528.09	\$ 3,528.09	91389
30	54" Flange Kit Hardware for S.STL Tapping Sleeve	1	Each	\$ -	\$ 4,572.98	\$ 4,572.98	\$ 4,572.98	91389
31	6"x4" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 550.00	\$ 826.05	\$ 1,376.05	\$ 1,376.05	91389
32	8"x4" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 550.00	\$ 1,014.53	\$ 1,564.53	\$ 1,564.53	91389
33	8"x6" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 632.50	\$ 1,014.53	\$ 1,647.03	\$ 1,647.03	91389
34	10"x4" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 632.50	\$ 2,005.03	\$ 2,637.53	\$ 2,637.53	91389
35	10"x6" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 687.50	\$ 2,005.03	\$ 2,692.53	\$ 2,692.53	91389
36	10"x8" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 715.00	\$ 2,130.26	\$ 2,845.26	\$ 2,845.26	91389
37	12"x4" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 742.50	\$ 2,005.03	\$ 2,747.53	\$ 2,747.53	91389
38	12"x6" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 770.00	\$ 2,005.03	\$ 2,775.03	\$ 2,775.03	91389
39	12"x8" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 797.50	\$ 2,130.26	\$ 2,927.76	\$ 2,927.76	91389
40	12"x10" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 825.00	\$ 2,465.49	\$ 3,290.49	\$ 3,290.49	91389
41	14"x4" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 770.00	\$ 6,102.36	\$ 6,872.36	\$ 6,872.36	91389
42	14"x6" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 797.50	\$ 6,236.45	\$ 7,033.95	\$ 7,033.95	91389

43	14"x8" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 825.00	\$ 6,280.73	\$ 7,105.73	\$ 7,105.73	91389
44	14"x10" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 852.50	\$ 6,345.24	\$ 7,197.74	\$ 7,197.74	91389
45	14"x12" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 935.00	\$ 6,359.16	\$ 7,294.16	\$ 7,294.16	91389
46	16"x4" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 852.50	\$ 6,545.11	\$ 7,397.61	\$ 7,397.61	91389
47	16"x6" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 880.00	\$ 6,677.94	\$ 7,557.94	\$ 7,557.94	91389
48	16"x8" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 907.50	\$ 6,750.04	\$ 7,657.54	\$ 7,657.54	91389
49	16"x10" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 962.50	\$ 6,777.87	\$ 7,740.37	\$ 7,740.37	91389
50	16"x12" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,017.50	\$ 6,810.76	\$ 7,828.26	\$ 7,828.26	91389
51	16"x14" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,100.00	\$ 5,328.18	\$ 6,428.18	\$ 6,428.18	91389
52	18"x4" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 907.50	\$ 9,503.95	\$ 10,411.45	\$ 10,411.45	91389
53	18"x6" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 935.00	\$ 9,997.30	\$ 10,932.30	\$ 10,932.30	91389
54	18"x8" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 962.50	\$ 10,064.34	\$ 11,026.84	\$ 11,026.84	91389
55	18"x10" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,017.50	\$ 10,064.34	\$ 11,081.84	\$ 11,081.84	91389
56	18"x12" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,100.00	\$ 10,064.34	\$ 11,164.34	\$ 11,164.34	91389
57	18"x14" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,155.00	\$ 10,064.34	\$ 11,219.34	\$ 11,219.34	91389
58	18"x16" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,182.50	\$ 10,063.90	\$ 11,246.40	\$ 11,246.40	91389
59	20"x4" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 962.50	\$ 8,503.33	\$ 9,465.83	\$ 9,465.83	91389
60	20"x6" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 990.00	\$ 8,503.33	\$ 9,493.33	\$ 9,493.33	91389
61	20"x8" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,017.50	\$ 8,255.39	\$ 9,272.89	\$ 9,272.89	91389
62	20"x10" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,072.50	\$ 8,305.99	\$ 9,378.49	\$ 9,378.49	91389
63	20"x12" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,155.00	\$ 8,665.25	\$ 9,820.25	\$ 9,820.25	91389
64	20"x14" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,210.00	\$ 12,485.55	\$ 13,695.55	\$ 13,695.55	91389
65	20"x16" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,320.00	\$ 12,668.98	\$ 13,988.98	\$ 13,988.98	91389
66	20"x18" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,430.00	\$ 12,668.98	\$ 14,098.98	\$ 14,098.98	91389
67	24"x4" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,155.00	\$ 10,445.11	\$ 11,600.11	\$ 11,600.11	91389
68	24"x6" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,182.50	\$ 10,445.11	\$ 11,627.61	\$ 11,627.61	91389
69	24"x8" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,210.00	\$ 10,445.11	\$ 11,655.11	\$ 11,655.11	91389
70	24"x10" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,760.00	\$ 10,572.87	\$ 12,332.87	\$ 12,332.87	91389
71	24"x12" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,980.00	\$ 10,596.91	\$ 12,576.91	\$ 12,576.91	91389
72	24"x14" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,172.50	\$ 15,626.55	\$ 17,799.05	\$ 17,799.05	91389
73	24"x16" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,200.00	\$ 15,807.44	\$ 18,007.44	\$ 18,007.44	91389
74	24"x18" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,310.00	\$ 15,807.44	\$ 18,117.44	\$ 18,117.44	91389
75	24"x20" D.I. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,420.00	\$ 16,262.84	\$ 18,682.84	\$ 18,682.84	91389
76	10"x4" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 522.50	\$ 1,109.41	\$ 1,631.91	\$ 1,631.91	91389
77	12"x4" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 522.50	\$ 1,123.32	\$ 1,645.82	\$ 1,645.82	91389
78	14"x4" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 522.50	\$ 1,122.06	\$ 1,644.56	\$ 1,644.56	91389
79	14"x6" S. STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 577.50	\$ 1,221.99	\$ 1,799.49	\$ 1,799.49	91389
80	16"x4" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 605.00	\$ 1,343.43	\$ 1,948.43	\$ 1,948.43	91389
81	16"x6" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 632.50	\$ 1,520.53	\$ 2,153.03	\$ 2,153.03	91389
82	18"x4" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 687.50	\$ 1,380.12	\$ 2,067.62	\$ 2,067.62	91389
83	18"x6" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 687.50	\$ 1,512.94	\$ 2,200.44	\$ 2,200.44	91389
84	18"x8" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 715.00	\$ 1,764.68	\$ 2,479.68	\$ 2,479.68	91389
85	20"x4" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 715.00	\$ 1,764.68	\$ 2,479.68	\$ 2,479.68	91389
86	20"x6" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 742.50	\$ 1,521.80	\$ 2,264.30	\$ 2,264.30	91389
87	20"x8" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 770.00	\$ 1,783.65	\$ 2,553.65	\$ 2,553.65	91389
88	24"x4" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 742.50	\$ 1,492.70	\$ 2,235.20	\$ 2,235.20	91389
89	24"x6" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 770.00	\$ 1,614.14	\$ 2,384.14	\$ 2,384.14	91389
90	24"x8" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 797.50	\$ 1,945.57	\$ 2,743.07	\$ 2,743.07	91389
91	24"x10" S.STL. Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 852.50	\$ 2,672.95	\$ 3,525.45	\$ 3,525.45	91389
92	30"x4" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,265.00	\$ 13,639.23	\$ 14,904.23	\$ 14,904.23	91389
93	30"x6" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,320.00	\$ 13,820.13	\$ 15,140.13	\$ 15,140.13	91389
94	30"x8" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,375.00	\$ 13,911.21	\$ 15,286.21	\$ 15,286.21	91389
95	30"x10" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,402.50	\$ 13,856.81	\$ 15,259.31	\$ 15,259.31	91389
96	30"x12" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,512.50	\$ 14,274.26	\$ 15,786.76	\$ 15,786.76	91389
97	30"x14" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,622.50	\$ 14,911.82	\$ 16,534.32	\$ 16,534.32	91389
98	30"x16" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,952.50	\$ 15,001.64	\$ 16,954.14	\$ 16,954.14	91389

99	30"x18" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,310.00	\$ 15,093.98	\$ 17,403.98	\$ 17,403.98	91389
100	30"x20" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,585.00	\$ 15,274.88	\$ 17,859.88	\$ 17,859.88	91389
101	30"x24" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,135.00	\$ 16,456.39	\$ 19,591.39	\$ 19,591.39	91389
102	36"x4" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,320.00	\$ 15,274.88	\$ 16,594.88	\$ 16,594.88	91389
103	36"x6" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,430.00	\$ 15,365.96	\$ 16,795.96	\$ 16,795.96	91389
104	36"x8" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,540.00	\$ 15,548.12	\$ 17,088.12	\$ 17,088.12	91389
105	36"x10" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,650.00	\$ 15,639.20	\$ 17,289.20	\$ 17,289.20	91389
106	36"x12" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 1,870.00	\$ 15,729.01	\$ 17,599.01	\$ 17,599.01	91389
107	36"x14" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,090.00	\$ 16,366.57	\$ 18,456.57	\$ 18,456.57	91389
108	36"x16" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,310.00	\$ 16,729.63	\$ 19,039.63	\$ 19,039.63	91389
109	36"x18" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,530.00	\$ 16,892.81	\$ 19,422.81	\$ 19,422.81	91389
110	36"x20" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,750.00	\$ 17,002.87	\$ 19,752.87	\$ 19,752.87	91389
111	36"x24" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,410.00	\$ 18,003.48	\$ 21,413.48	\$ 21,413.48	91389
112	36"x30" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,960.00	\$ 20,003.45	\$ 23,963.45	\$ 23,963.45	91389
113	42"x4" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,090.00	\$ 26,113.40	\$ 28,203.40	\$ 28,203.40	91389
114	42"x6" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,200.00	\$ 26,367.66	\$ 28,567.66	\$ 28,567.66	91389
115	42"x8" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,310.00	\$ 26,731.98	\$ 29,041.98	\$ 29,041.98	91389
116	42"x10" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,530.00	\$ 26,912.88	\$ 29,442.88	\$ 29,442.88	91389
117	42"x12" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,640.00	\$ 27,367.01	\$ 30,007.01	\$ 30,007.01	91389
118	42"x14" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,750.00	\$ 28,186.73	\$ 30,936.73	\$ 30,936.73	91389
119	42"x16" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,860.00	\$ 28,731.95	\$ 31,591.95	\$ 31,591.95	91389
120	42"x18" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,970.00	\$ 28,821.76	\$ 31,791.76	\$ 31,791.76	91389
121	42"x20" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,080.00	\$ 29,230.36	\$ 32,310.36	\$ 32,310.36	91389
122	42"x24" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,520.00	\$ 30,458.67	\$ 33,978.67	\$ 33,978.67	91389
123	42"x30" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 4,070.00	\$ 38,624.25	\$ 42,694.25	\$ 42,694.25	91389
124	42"x36" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 4,620.00	\$ 40,259.89	\$ 44,879.89	\$ 44,879.89	91389
125	48"x4" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,420.00	\$ 29,496.01	\$ 31,916.01	\$ 31,916.01	91389
126	48"x6" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,530.00	\$ 29,531.43	\$ 32,061.43	\$ 32,061.43	91389
127	48"x8" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,640.00	\$ 30,095.62	\$ 32,735.62	\$ 32,735.62	91389
128	48"x10" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,750.00	\$ 30,276.51	\$ 33,026.51	\$ 33,026.51	91389
129	48"x12" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,860.00	\$ 30,731.91	\$ 33,591.91	\$ 33,591.91	91389
130	48"x14" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,135.00	\$ 31,659.16	\$ 34,794.16	\$ 34,794.16	91389
131	48"x16" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,245.00	\$ 33,186.01	\$ 36,431.01	\$ 36,431.01	91389
132	48"x18" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,327.50	\$ 33,278.36	\$ 36,605.86	\$ 36,605.86	91389
133	48"x20" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,520.00	\$ 33,641.41	\$ 37,161.41	\$ 37,161.41	91389

134	48"x24" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,795.00	\$ 34,005.73	\$ 37,800.73	\$ 37,800.73	91389
135	48"x30" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 4,125.00	\$ 42,486.29	\$ 46,611.29	\$ 46,611.29	91389
136	48"x36" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 4,675.00	\$ 44,275.00	\$ 48,950.00	\$ 48,950.00	91389
137	48"x42" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 5,775.00	\$ 46,622.84	\$ 52,397.84	\$ 52,397.84	91389
138	54"x4" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 2,970.00	\$ 37,971.51	\$ 40,941.51	\$ 40,941.51	91389
139	54"x6" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,080.00	\$ 38,009.46	\$ 41,089.46	\$ 41,089.46	91389
140	54"x8" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,272.50	\$ 38,463.59	\$ 41,736.09	\$ 41,736.09	91389
141	54"x10" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,575.00	\$ 38,686.23	\$ 42,261.23	\$ 42,261.23	91389
142	54"x12" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,795.00	\$ 38,979.71	\$ 42,774.71	\$ 42,774.71	91389
143	54"x14" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 3,905.00	\$ 40,291.52	\$ 44,196.52	\$ 44,196.52	91389
144	54"x16" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 4,125.00	\$ 40,741.86	\$ 44,866.86	\$ 44,866.86	91389
145	54"x18" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 4,345.00	\$ 41,455.32	\$ 45,800.32	\$ 45,800.32	91389
146	54"x20" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 4,647.50	\$ 41,948.67	\$ 46,596.17	\$ 46,596.17	91389
147	54"x24" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 5,005.00	\$ 42,400.27	\$ 47,405.27	\$ 47,405.27	91389
148	54"x30" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 5,335.00	\$ 45,156.71	\$ 50,491.71	\$ 50,491.71	91389
149	54"x36" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 5,775.00	\$ 46,921.38	\$ 52,696.38	\$ 52,696.38	91389
150	54"x42" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 6,875.00	\$ 48,467.21	\$ 55,342.21	\$ 55,342.21	91389
151	54"x48" Epoxy-Coated STL. MJ Tapping Sleeve (For PVC/DIP/CIP/AC)	1	Each	\$ 7,975.00	\$ 50,312.85	\$ 58,287.85	\$ 58,287.85	91389
152	24"x4" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,200.00	\$ 3,545.80	\$ 5,745.80	\$ 5,745.80	91389
153	24"x6" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,310.00	\$ 4,091.01	\$ 6,401.01	\$ 6,401.01	91389
154	24"x8" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,420.00	\$ 4,492.02	\$ 6,912.02	\$ 6,912.02	91389
155	24"x10" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,695.00	\$ 4,865.19	\$ 7,560.19	\$ 7,560.19	91389
156	30"x4" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,255.00	\$ 3,800.06	\$ 6,055.06	\$ 6,055.06	91389
157	30"x6" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,365.00	\$ 4,564.12	\$ 6,929.12	\$ 6,929.12	91389
158	30"x8" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,530.00	\$ 4,709.60	\$ 7,239.60	\$ 7,239.60	91389
159	30"x10" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,750.00	\$ 5,048.62	\$ 7,798.62	\$ 7,798.62	91389
160	30"x12" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,915.00	\$ 5,746.90	\$ 8,661.90	\$ 8,661.90	91389
161	30"x14" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,025.00	\$ 6,345.37	\$ 9,370.37	\$ 9,370.37	91389
162	30"x16" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,190.00	\$ 6,192.18	\$ 9,382.18	\$ 9,382.18	91389
163	30"x18" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,355.00	\$ 7,256.04	\$ 10,611.04	\$ 10,611.04	91389
164	30"x20" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,795.00	\$ 8,309.79	\$ 12,104.79	\$ 12,104.79	91389
165	30"x24" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 4,070.00	\$ 10,165.54	\$ 14,235.54	\$ 14,235.54	91389
166	36"x4" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,310.00	\$ 3,982.22	\$ 6,292.22	\$ 6,292.22	91389
167	36"x6" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,420.00	\$ 4,564.12	\$ 6,984.12	\$ 6,984.12	91389
168	36"x8" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,585.00	\$ 5,106.81	\$ 7,691.81	\$ 7,691.81	91389
169	36"x10" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,805.00	\$ 5,727.92	\$ 8,532.92	\$ 8,532.92	91389
170	36"x12" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,970.00	\$ 6,359.16	\$ 9,329.16	\$ 9,329.16	91389
171	36"x14" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,080.00	\$ 7,000.51	\$ 10,080.51	\$ 10,080.51	91389
172	36"x16" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,245.00	\$ 6,709.56	\$ 9,954.56	\$ 9,954.56	91389
173	36"x18" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,410.00	\$ 7,638.07	\$ 11,048.07	\$ 11,048.07	91389
174	36"x20" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,850.00	\$ 8,728.50	\$ 12,578.50	\$ 12,578.50	91389
175	36"x24" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 4,180.00	\$ 10,682.93	\$ 14,862.93	\$ 14,862.93	91389
176	36"x30" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 5,170.00	\$ 20,872.50	\$ 26,042.50	\$ 26,042.50	91389
177	42"x4" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,530.00	\$ 4,218.78	\$ 6,748.78	\$ 6,748.78	91389
178	42"x6" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,640.00	\$ 5,237.10	\$ 7,877.10	\$ 7,877.10	91389
179	42"x8" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,750.00	\$ 5,819.00	\$ 8,569.00	\$ 8,569.00	91389
180	42"x10" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 2,860.00	\$ 6,309.82	\$ 9,169.82	\$ 9,169.82	91389
181	42"x12" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,190.00	\$ 7,228.21	\$ 10,418.21	\$ 10,418.21	91389
182	42"x14" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,355.00	\$ 7,364.83	\$ 10,719.83	\$ 10,719.83	91389

183	42"x16" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,520.00	\$ 7,436.94	\$ 10,956.94	\$ 10,956.94	91389
184	42"x18" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 3,740.00	\$ 8,402.13	\$ 12,142.13	\$ 12,142.13	91389
185	42"x20" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 4,015.00	\$ 9,529.25	\$ 13,544.25	\$ 13,544.25	91389
186	42"x24" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 4,235.00	\$ 13,802.42	\$ 18,037.42	\$ 18,037.42	91389
187	42"x30" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 7,370.00	\$ 21,640.36	\$ 29,010.36	\$ 29,010.36	91389
188	42"x36" Epoxy-Coated STL. Tapping Sleeve (For PCCP)	1	Each	\$ 8,470.00	\$ 26,004.61	\$ 34,474.61	\$ 34,474.61	91389
189	4" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 1,650.00	\$ 1,353.55	\$ 3,003.55	\$ 3,003.55	91389
190	4" Double Line Stop w/ 2" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 2,750.00	\$ 2,707.10	\$ 5,457.10	\$ 5,457.10	91389
191	6" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 1,870.00	\$ 1,410.48	\$ 3,280.48	\$ 3,280.48	91389
192	6" Double Line Stop w/ 4" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 3,850.00	\$ 2,820.95	\$ 6,670.95	\$ 6,670.95	91389
193	8" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 1,815.00	\$ 1,755.82	\$ 3,570.82	\$ 3,570.82	91389
195	10" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 2,970.00	\$ 2,289.65	\$ 5,259.65	\$ 5,259.65	91389
196	10" Double Line Stop w/ 8" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 5,720.00	\$ 4,579.30	\$ 10,299.30	\$ 10,299.30	91389
197	12" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 3,135.00	\$ 2,421.21	\$ 5,556.21	\$ 5,556.21	91389
198	12" Double Line Stop w/ 8" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 6,050.00	\$ 4,842.42	\$ 10,892.42	\$ 10,892.42	91389
199	14" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 4,950.00	\$ 3,337.07	\$ 8,287.07	\$ 8,287.07	91389
200	14" Double Line Stop w/ 12" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 10,340.00	\$ 6,674.14	\$ 17,014.14	\$ 17,014.14	91389
201	16" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 5,225.00	\$ 3,391.47	\$ 8,616.47	\$ 8,616.47	91389
202	16" Double Line Stop w/ 12" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 10,340.00	\$ 6,782.93	\$ 17,122.93	\$ 17,122.93	91389
203	18" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 6,050.00	\$ 3,492.67	\$ 9,542.67	\$ 9,542.67	91389
204	18" Double Line Stop w/ 12" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 11,550.00	\$ 6,985.33	\$ 18,535.33	\$ 18,535.33	91389
205	20" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 7,700.00	\$ 2,986.67	\$ 10,686.67	\$ 10,686.67	91389
206	20" Double Line Stop w/ 12" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 14,850.00	\$ 5,973.33	\$ 20,823.33	\$ 20,823.33	91389
207	24" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 8,800.00	\$ 5,353.48	\$ 14,153.48	\$ 14,153.48	91389
208	24" Double Line Stop w/ 16" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 17,050.00	\$ 10,706.96	\$ 27,756.96	\$ 27,756.96	91389
209	30" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 16,500.00	\$ 8,889.16	\$ 25,389.16	\$ 25,389.16	91389
209	30" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 16,500.00		\$ 16,500.00	\$ 16,500.00	91389
210	30" Double Line Stop w/ 24" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 28,050.00	\$ 17,778.31	\$ 45,828.31	\$ 45,828.31	91389
211	36" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 19,800.00	\$ 9,261.07	\$ 29,061.07	\$ 29,061.07	91389
212	36" Double Line Stop w/ 24" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 33,000.00	\$ 18,522.13	\$ 51,522.13	\$ 51,522.13	91389
213	42" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 20,900.00	\$ 14,945.98	\$ 35,845.98	\$ 35,845.98	91389
214	42" Double Line Stop w/ 24" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 38,500.00	\$ 29,891.95	\$ 68,391.95	\$ 68,391.95	91389
215	48" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 38,500.00	\$ 21,116.32	\$ 59,616.32	\$ 59,616.32	91389
216	48" Double Line Stop w/ 36" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 71,500.00	\$ 42,233.29	\$ 113,733.29	\$ 113,733.29	91389
217	54" Single Line Stop (For PVC/DIP/CIP/AC)	1	Each	\$ 44,000.00	\$ 22,770.00	\$ 66,770.00	\$ 66,770.00	91389
218	54" Double Line Stop w/ 36" By-Pass (For PVC/DIP/CIP/AC)	1	Each	\$ 82,500.00	\$ 45,192.13	\$ 127,692.13	\$ 127,692.13	91389
219	24" Single Line Stop (For PCCP)	1	Each	\$ 11,550.00	\$ 9,066.26	\$ 20,616.26	\$ 20,616.26	91389
220	24" Double Line Stop w/ 16" By-Pass (For PCCP)	1	Each	\$ 24,200.00	\$ 18,132.51	\$ 42,332.51	\$ 42,332.51	91389
221	30" Single Line Stop (For PCCP)	1	Each	\$ 22,000.00	\$ 15,047.18	\$ 37,047.18	\$ 37,047.18	91389
222	30" Double Line Stop w/ 24" By-Pass (For PCCP)	1	Each	\$ 37,400.00	\$ 30,539.63	\$ 67,939.63	\$ 67,939.63	91389
223	36" Single Line Stop (For PCCP)	1	Each	\$ 23,650.00	\$ 15,864.37	\$ 39,514.37	\$ 39,514.37	91389
224	36" Double Line Stop w/ 24" By-Pass (For PCCP)	1	Each	\$ 44,000.00	\$ 31,728.73	\$ 75,728.73	\$ 75,728.73	91389
225	42" Single Line Stop (For PCCP)	1	Each	\$ 29,700.00	\$ 16,671.44	\$ 46,371.44	\$ 46,371.44	91389
226	42" Double Line Stop w/ 36" By-Pass (For PCCP)	1	Each	\$ 52,800.00	\$ 33,342.87	\$ 86,142.87	\$ 86,142.87	91389
227	48" Single Line Stop (For PCCP)	1	Each	\$ 35,700.00	\$ 17,500.00	\$ 53,200.00	\$ 53,200.00	91389
228	48" Double Line Stop (For PCCP)	1	Each	\$ 71,400.00	\$ 35,000.00	\$ 106,400.00	\$ 106,400.00	91389
229	54" Single Line Stop (PCCP)	1	Each	\$ 41,700.00	\$ 18,500.00	\$ 60,200.00	\$ 60,200.00	91389
230	54" Double Line Stop (PCCP)	1	Each	\$ 83,400.00	\$ 37,000.00	\$ 120,400.00	\$ 120,400.00	91389
231	Line Stop Emergency Response Service 4"-12" Pipe Size (12 hrs. Max.)	1	Per Occurrence	\$ 3,300.00	\$ -	\$ 3,300.00	\$ 3,300.00	91389
232	Line Stop Emergency Response Service 14"-20" Pipe Size (12 hrs. Max.)	1	Per Occurrence	\$ 5,500.00	\$ -	\$ 5,500.00	\$ 5,500.00	91389
233	Line Stop Emergency Response Service 24" Pipe Size (12 hrs. Max.)	1	Per Occurrence	\$ 8,800.00	\$ -	\$ 8,800.00	\$ 8,800.00	91389
234	Line Stop Emergency Response Service 30" Pipe Size (24 hrs. Max.)	1	Per Occurrence	\$ 13,200.00	\$ -	\$ 13,200.00	\$ 13,200.00	91389
235	Line Stop Emergency Response Service 36" Pipe Size (24 hrs. Max.)	1	Per Occurrence	\$ 16,500.00	\$ -	\$ 16,500.00	\$ 16,500.00	91389
236	Line Stop Emergency Response Service 42" Pipe Size (24 hrs. Max.)	1	Per Occurrence	\$ 22,000.00	\$ -	\$ 22,000.00	\$ 22,000.00	91389
237	Line Stop Emergency Response Service 48" Pipe Size (36 hrs. Max.)	1	Per Occurrence	\$ 27,500.00	\$ -	\$ 27,500.00	\$ 27,500.00	91389
238	Line Stop Emergency Response Service 54" Pipe Size (48 hrs. Max.)	1	Per Occurrence	\$ 33,000.00	\$ -	\$ 33,000.00	\$ 33,000.00	91389
241	Mobilization/Demobilization (4"-16" Pipe Size)	60	Each	\$ 550.00	\$ -	\$ 550.00	\$ 33,000.00	91389

242	Mobilization/Demobilization (20"-36" Pipe Size)	30	Each	\$ 1,100.00	\$ -	\$ 1,100.00	\$ 33,000.00	91389
243	Mobilization/Demobilization (36"-54" Pipe Size)	20	Each	\$ 2,200.00	\$ -	\$ 2,200.00	\$ 44,000.00	91389
244	6" Insert Valve	1	Each	\$ 1,925.00	\$ 8,058.05	\$ 9,983.05	\$ 9,983.05	91389
245	8" Insert Valve (PER AS-BUILT INFO)	1	Each	\$ 2,090.00	\$ 9,904.95	\$ 11,994.95	\$ 11,994.95	91389
246	10" Insert Valve	1	Each	\$ 4,950.00	\$ 16,088.27	\$ 21,038.27	\$ 21,038.27	91389
247	12" Insert Valve	1	Each	\$ 6,050.00	\$ 17,969.33	\$ 24,019.33	\$ 24,019.33	91389
248	Allowance for miscellaneous Items	1	Each	\$ 4,125.00	\$ -	\$ 4,125.00	\$ 4,125.00	91389
249	Night /Weekend Emergency Work	120	Per Hour	\$ 2,200.00	\$ -	\$ 2,200.00	\$ 264,000.00	91389
		Total Calculated BID (Bid Item No. 1-246)					\$ 5,492,710.22	

ADVERTISEMENT FOR BID

**Project Name: Pipeline Wet Tapping and Line Stop
Continuing Construction Contract
WUD Project No: 20-020**

Sealed Bids containing all the required Bid Documents will be received by the Board of County Commissioners, Palm Beach County, Florida, until **2:30 PM** on **May 20, 2020**, at the Palm Beach County Water Utilities Department, Administration Building (1st Floor Reception Desk) located at 8100 Forest Hill Boulevard, West Palm Beach, Florida. The Bid Documents received by this time will be opened the same day, **May 20, 2020**, in accordance with the Invitation to Bid and Instructions to Bidders, at or after **2:30 PM** in the Administration Building, Conference Room (Room 158).

The bids will be for furnishing all materials, labor, supervision, equipment, supplies, fees, expertise, and services necessary to The bids are for furnishing all materials and/or installation services for wet tapping and line stopping of DIP/CIP/PVC/AC/PCCP potable water, reclaimed water and wastewater pipeline systems. The Contract is for a term of three years (36 months).

All conditions and requirements for bid submission, consideration, and award are contained in the Bid Documents. The Bid Documents will be available to download free of charge beginning April 21, 2020. Please visit Palm Beach County's Vendor Self Service page to access the Bid Documents: <https://pbcvssp.co.palm-beach.fl.us/webapp/vssp/AltSelfService>. If you have not registered with Palm Beach County's Vendor Self-Service, please register and select the appropriate commodity code(s). This will allow the County to notify you of upcoming solicitations. In addition, there may be certain documents necessary for submittal of a bid which are exempt from public disclosure. Bidders shall download and submit a Plan Holder Registration form (Bid Document attachment) to access these exempt documents. Registered Plan Holders will automatically receive notification of addenda and project updates.

The Bid Documents also may be obtained from **Palm Beach County Water Utilities Department**, 8100 Forest Hill Boulevard, West Palm Beach, FL 33413. A non-refundable service charge of **\$150.00** per set of Bid Documents is required. Checks are to be made payable to "Palm Beach County Water Utilities Department." Partial sets will not be available. Bidders requiring Bid Documents mailed must provide an express mail account number to the PBCWUD Engineering Division. The bill will be charged to the recipient's account.

Bid Documents may also be examined at the following plan houses:

ConstructConnect (800) 364-2059
Dodge Data & Analytics, LLC (800) 393-6343
Construction Journal, Stuart (800) 785-5165

When Bid Documents are obtained through a plan house, Bidders must notify the Palm Beach County Water Utilities Department's Project Manager via e-mail in order to be registered to receive project addendums and communications.

Questions may be addressed in writing to **Henry Melendez, P.E.** at hmelendez@pbcwater.com or **Palm Beach County Water Utilities Department, 8100 Forest Hill Blvd., West Palm Beach, FL 33413.**

Pursuant to the Palm Beach County Code Section 2-80.20 – 2-80.40, the Equal Business Opportunity (EBO) Ordinance, the County will provide contracting and subcontracting opportunities for S/M/WBEs. The following Affirmative Procurement Initiatives (APIs) apply to this project:

SBE Price Preference (contracts with no opportunity for subcontracting) – this contract will be awarded to the lowest responsive, responsible bidder unless a certified SBE's bid is within 10% of the lowest non-small business bid, in which case the award shall be made to the certified small business bidder submitting the lowest responsive, responsible bid at the price that it bid.

At the time of bid submission each bidder, and all identified subcontractors, must possess all professional licenses or certifications required by the State of Florida and/or Palm Beach County, as applicable, for the purpose of performing the specified work.

Bid proposals must be submitted on the forms provided by Palm Beach County and accompanied by a bid bond security in favor of Palm Beach County in the amount of not less than five percent (5%) of the bid price. A public construction bond (100%) will be required of the successful bidder within fourteen calendar days of notification from County.

Bidders are invited to attend a non-mandatory pre-bid conference to be held on **May 6, 2020 at 10:00 AM** at the address listed below. A non-mandatory site visit will be scheduled at the conclusion of this conference. Attendance at this pre-bid conference is recommended and encouraged.

Palm Beach County
Water Utilities Administration Building
8100 Forest Hill Blvd., Room 158
West Palm Beach, FL 33413

In accordance with F.S. 287.133(2)(a), persons and affiliates who have been placed on the convicted vendor list may not submit bids, contract with, or perform work (as a contractor, supplier, subcontractor or consultant) with any public entity (i.e. Palm Beach County) in excess of Ten Thousand dollars (or such other amount as may be hereafter established by the Florida Division of Purchasing in accordance with F.S. 287.017) for a period of 36 months from the date of being placed on the convicted vendor list.

The Board of County Commissioners reserves the right to waive any bid irregularities, informalities, or technical deficiencies and to reject any and all bids.

This Notice given this ___ day of _____ 20___. PALM BEACH COUNTY WATER UTILITIES DEPARTMENT.

BY: _____
Deputy Director, Palm Beach County Water Utilities Dept.

PRINTED NAME: _____

ATTEST:

SHARON R. BOCK
CLERK AND COMPTROLLER

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA
BY: DAVE KERNER, MAYOR

PUBLISH: Palm Beach Post
April 19, 2020

END OF SECTION