

ITEM		DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
BID# 25B-040 Annual Hydrant Valve-Flushing Maintenance					Hydromax USA LLC		R&M Service Solutions, LLC	
					Flower Mound, TX		San Antonio, FL	
HYDRANT SERVICES								
A1		Hydrant Maintenance (includes scrape, wire brush and paint)	1500	EA	\$59.80	\$89,700.00	\$105.00	\$157,500.00
A2		Hydrant Maintenance (without scrape, wire brush and paint)	167	EA	\$50.00	\$8,350.00	\$90.00	\$15,030.00
A3		Hydrant Maintenance (includes sand blast and paint)	10	EA	\$425.00	\$4,250.00	\$250.00	\$2,500.00
A4		Furnish and attach Hydrant I.D. tag (with required information)	1500	EA	\$20.00	\$30,000.00	\$18.00	\$27,000.00
A5		Furnish and install reflective road marker	175	EA	\$18.00	\$3,150.00	\$20.00	\$3,500.00
A6		Extended Flush Time (15-minute Unit)	85	EA	\$40.00	\$3,400.00	\$35.00	\$2,975.00
Subtotal						\$138,850.00		\$208,505.00
VALVE SERVICES								
B1		Valve maintenance (includes sub-meter GPS location)	1500	EA	\$60.50	\$90,750.00	\$65.00	\$97,500.00
B2		Valve maintenance (includes sub-foot GPS location)	500	EA	\$60.50	\$30,250.00	\$65.00	\$32,500.00
B3		Valve maintenance (without GPS location)	150	EA	\$60.50	\$9,075.00	\$65.00	\$9,750.00
B4		Valve maintenance "CNL" (Can Not Locate) or "CNA" (Can Not Access)	50	EA	\$50.00	\$2,500.00	\$55.00	\$2,750.00
Subtotal						\$132,575.00		\$142,500.00
Group A - HYDRANT SERVICES- BID ALTERNATES								
A7		Bonnet and/or break away flange bolt replacement	10	EA	\$95.00	\$950.00	\$50.00	\$500.00
A8		Upper barrel repair	15	EA	\$895.00	\$13,425.00	\$900.00	\$13,500.00
A9		Lower barrel repair	25	EA	\$1,295.00	\$32,375.00	\$1,500.00	\$37,500.00
A10		Hydrant extension (6")	10	EA	\$990.00	\$9,900.00	\$90.00	\$900.00
A11		Hydrant extension (12")	5	EA	\$1,375.00	\$6,875.00	\$1,200.00	\$6,000.00
A12		Hydrant extension (18")	5	EA	\$1,495.00	\$7,475.00	\$1,400.00	\$7,000.00
A13		Replace typical bury (48") hydrant on functioning and restrained isolation valve (includes excavation, materials, backfill and compaction). Will not require shut down or line stop.	10	EA	\$11,000.00	\$110,000.00	\$1,050.00	\$10,500.00
A14		Replace typical bury (48") hydrant and "tie-back" unrestrained isolation valve providing valve is mechanical joint and not "push on" (includes excavation, materials, backfill and compaction). Will not require shut down or line stop.	10	EA	\$12,000.00	\$120,000.00	\$12,000.00	\$120,000.00
A15		Replace typical bury (48") hydrant and (or install) isolation valve on existing restrained MJ tee (includes excavation, materials, backfill and compaction). Will require a shut down or line stop	10	EA	\$13,250.00	\$132,500.00	\$13,000.00	\$130,000.00
A16		Replace typical bury (48") hydrant, isolation valve and tee (includes excavation, materials, backfill and compaction). Will require a shut down or line stop.	10	EA	\$12,000.00	\$120,000.00	\$1,500.00	\$15,000.00
A16a		Replace typical bury (48") hydrant, isolation valve and tee (includes excavation, materials, backfill and compaction). Will require a shut down or line stop.	2	EA	\$15,000.00	\$30,000.00	\$1,550.00	\$3,100.00
A16b		With 6" x 6" tee	2	EA	\$16,000.00	\$32,000.00	\$1,550.00	\$3,100.00
A16c		With 6" x 8" tee	2	EA	\$16,750.00	\$33,500.00	\$2,500.00	\$5,000.00
A16d		With 6" x 12" tee	2	EA	\$16,850.00	\$33,700.00	\$3,000.00	\$6,000.00
A16e		With 6" x 14" tee	2	EA	\$17,250.00	\$34,500.00	\$4,000.00	\$8,000.00
A16f		With 6" x 16" tee	1	EA	\$17,500.00	\$17,500.00	\$4,500.00	\$4,500.00
A16g		With 6" x 20" tee	1	EA	\$18,500.00	\$18,500.00	\$6,000.00	\$6,000.00
A16h		With 6" x 24" tee	1	EA	\$19,500.00	\$19,500.00	\$7,000.00	\$7,000.00
A17		Install new hydrant and (isolation) valve on existing typical 48" bury water main	15	EA	\$15,000.00	\$225,000.00	\$12,000.00	\$180,000.00

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A17a	With 6" x 6" wet tap	1	EA	\$12,500.00	\$12,500.00	\$2,200.00	\$2,200.00
A17b	With 6" x 8" wet tap	1	EA	\$12,800.00	\$12,800.00	\$2,300.00	\$2,300.00
A17c	With 6" x 10" wet tap	1	EA	\$13,250.00	\$13,250.00	\$2,500.00	\$2,500.00
A17d	With 6" x 12" wet tap	1	EA	\$13,750.00	\$13,750.00	\$2,900.00	\$2,900.00
A17e	With 6" x 14" wet tap	1	EA	\$14,000.00	\$14,000.00	\$3,015.00	\$3,015.00
A17f	With 6" x 16" wet tap	1	EA	\$14,250.00	\$14,250.00	\$3,141.00	\$3,141.00
A17g	With 6" x 20" wet tap	1	EA	\$16,850.00	\$16,850.00	\$3,617.00	\$3,617.00
A17H	With 6" x 24" wet tap	1	EA	\$17,550.00	\$17,550.00	\$3,991.00	\$3,991.00
A18	Abandon existing hydrant by installing restrained cap or plug with 2" blow-off assembly in isolation valve (includes materials, excavation, backfill and compaction)	5	EA	\$8,500.00	\$42,500.00	\$7,000.00	\$35,000.00
A19	Installation of hydrant other than typical 48" bury (adder per foot)	10	LF	\$900.00	\$9,000.00	\$1,000.00	\$10,000.00
A20	If hydrant is set more than 6' away from the centerline of the tee (adder per foot)	10	LF	\$200.00	\$2,000.00	\$260.00	\$2,600.00
A21	If hydrant set requires additional restrained 6" MJ bend(s) (per fitting)	10	EA	\$400.00	\$4,000.00	\$457.00	\$4,570.00
GROUP B - VALVE SERVICES - BID ALTERNATES							
B5	Raise valve box to grade < 12" depth (excluding concrete areas and vehicular arteries)	50	EA	\$150.00	\$7,500.00	\$230.00	\$11,500.00
B6	Raise valve box to grade < 12" depth in concrete areas and vehicular arteries	25	EA	\$450.00	\$11,250.00	\$1,600.00	\$40,000.00
B7	Raise valve box to grade (or replace valve box) > 12" depth but < 42" depth (excluding concrete areas and vehicular arteries)	10	EA	\$500.00	\$5,000.00	\$501.00	\$5,010.00
B8	Raise valve box to grade (or replace valve box) > 12" depth but < 42" depth in concrete areas and vehicular arteries	10	EA	\$500.00	\$5,000.00	\$4,500.00	\$45,000.00
B9	Replace existing 2" valve w/resilient wedge gate valve in "dry" pipe (assume 48" bury, includes excavation, materials, backfill and compaction)	5	EA	\$7,500.00	\$37,500.00	\$5,100.00	\$25,500.00
B10	Replace existing 4" valve w/resilient wedge gate valve in "dry" pipe (assume 48" bury, includes excavation, materials, backfill and compaction)	5	EA	\$8,000.00	\$40,000.00	\$7,000.00	\$35,000.00
B11	Replace existing 6" valve w/resilient wedge gate valve in "dry" pipe (assume 48" bury, includes excavation, materials, backfill and compaction)	5	EA	\$8,250.00	\$41,250.00	\$7,500.00	\$37,500.00
B12	Replace existing 8" valve w/resilient wedge gate valve in "dry" pipe (assume 48" bury, includes excavation, materials, backfill and compaction)	5	EA	\$10,000.00	\$50,000.00	\$10,000.00	\$50,000.00
B13	Replace existing 10" valve w/resilient wedge gate valve in "dry" pipe (assume 48" bury, includes excavation, materials, backfill and compaction)	1	EA	\$14,000.00	\$14,000.00	\$13,000.00	\$13,000.00
B14	Replace existing 12" valve w/resilient wedge gate valve in "dry" pipe (assume 48" bury, includes excavation, materials, backfill and compaction)	1	EA	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
B15	Replace existing 14" valve w/resilient wedge gate valve in "dry" pipe (assume 48" bury, includes excavation, materials, backfill and compaction)	1	EA	\$17,000.00	\$17,000.00	\$20,000.00	\$20,000.00
B16	Replace existing 16" valve w/resilient wedge gate valve in "dry" pipe (assume 48" bury, includes excavation, materials, backfill and compaction)	1	EA	\$17,500.00	\$17,500.00	\$21,000.00	\$21,000.00
B17	Replace existing 20" valve w/resilient wedge gate valve in "dry" pipe (assume 48" bury, includes excavation, materials, backfill and compaction)	1	EA	\$19,500.00	\$19,500.00	\$45,000.00	\$45,000.00
B18	Replace existing 24" valve w/resilient wedge gate valve in "dry" pipe (assume 48" bury, includes excavation, materials, backfill and compaction)	1	EA	\$21,000.00	\$21,000.00	\$50,000.00	\$50,000.00
B19	Installation of 4" insertion valve (assume 48" bury, includes excavation, materials, backfill and compaction)	5	EA	\$12,250.00	\$61,250.00	\$17,000.00	\$85,000.00
B20	Installation of 6" insertion valve (assume 48" bury, includes excavation, materials, backfill and compaction)	5	EA	\$14,000.00	\$70,000.00	\$18,100.00	\$90,500.00
B21	Installation of 8" insertion valve (assume 48" bury, includes excavation, materials, backfill and compaction)	5	EA	\$16,225.00	\$81,125.00	\$20,000.00	\$100,000.00

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B22	Installation of 10" insertion valve (assume 48" bury, includes excavation, materials, backfill and compaction)	1	EA	\$18,500.00	\$18,500.00	\$24,000.00	\$24,000.00
B23	Installation of 12" insertion valve (assume 48" bury, includes excavation, materials, backfill and compaction)	1	EA	\$24,000.00	\$24,000.00	\$26,500.00	\$26,500.00
C1	Realign valve box to grade in dirt, grass, sand or gravel (0' to 4' deep)	50	EA	\$150.00	\$7,500.00	\$414.00	\$20,700.00
C2	Realign valve box to grade in dirt, grass, sand or gravel (4' to 10' deep)	10	HR	\$245.00	\$2,450.00	\$1,200.00	\$12,000.00
C3	Realign valve box to grade in dirt, grass, sand or gravel (> 10' deep)	10	HR	\$245.00	\$2,450.00	\$643.00	\$6,430.00
C4	Realign valve box to grade in pavement (0' to 4' deep) includes permanent asphalt patch or replacement of entire "joint" if realignment is within a sidewalk	5	EA	\$1,500.00	\$7,500.00	\$2,500.00	\$12,500.00
C5	Realign valve box to grade in pavement (4' to 10' deep) includes permanent asphalt patch or replacement of entire "joint" if realignment is within a sidewalk	5	HR	\$485.00	\$2,425.00	\$745.00	\$3,725.00
C6	Realign valve box to grade in pavement (> 10' deep) includes permanent asphalt patch or replacement of entire "joint" if realignment is within a sidewalk	5	HR	\$485.00	\$2,425.00	\$2,500.00	\$12,500.00
C7	Raise valve box to grade in dirt, grass, sand or gravel (> 4' to 10' deep)	10	HR	\$325.00	\$3,250.00	\$1,300.00	\$13,000.00
C8	Raise valve box to grade in dirt, grass, sand or gravel (> 10' deep)	10	HR	\$385.00	\$3,850.00	\$1,400.00	\$14,000.00
C9	Raise valve box to grade in pavement (4' to 10' deep) includes permanent asphalt patch or replacement of entire "joint" if realignment is within a sidewalk	10	HR	\$485.00	\$4,850.00	\$2,500.00	\$25,000.00
C10	Raise valve box to grade in pavement (> 10' deep) includes permanent asphalt patch or replacement of entire "joint" if realignment is within a sidewalk	5	HR	\$485.00	\$2,425.00	\$2,500.00	\$12,500.00
C11	Clean out/vacuum valve box (pricing based on cleaning all of the County's valve boxes in lieu of assessment)	150	EA	\$45.00	\$6,750.00	\$43.00	\$6,450.00
C12	Clean out valve box, where standard vacuum is not successful by digging, loosening and removing impacted debris and fill in around valve box (2 MEN AND EQUIPMENT)	15	EA	\$285.00	\$4,275.00	\$235.00	\$3,525.00
C13	Large valve repair as an hourly rate with the materials as a pass through. The hourly rate should factor in excavation equipment cost (3 MEN AND EQUIPMENT)	50	HR	\$475.00	\$23,750.00	\$725.00	\$36,250.00
C14	Small valve repair such as 2" blow off. This includes plumbing in a 2" stainless steel fitting such as a short nipple, a stainless steel 90 degree elbow or other items as may be required. Hourly rate for labor and materials will be pass through. The reason this is separate from large valves is the excavation most likely will be shallow and done manually (2 MEN AND EQUIPMENT)	50	HR	\$325.00	\$16,250.00	\$552.00	\$27,600.00
C15	Exploratory excavation: Where no other accurate or cost effective means is available to discover, diagnose and recommend remediation, contractor will dig to uncover and identify cost effective options. This includes:				\$0.00		\$0.00
C16	Exploratory investigation 0' to 4' deep	20	HR	\$275.00	\$5,500.00	\$700.00	\$14,000.00
C17	Exploratory investigation 4' to 10' deep	20	HR	\$425.00	\$8,500.00	\$500.00	\$10,000.00
C18	Exploratory investigation > 10' deep	10	HR	\$475.00	\$4,750.00	\$500.00	\$5,000.00
C19	Installation of a 16" insertion valve (assume 48" bury, includes excavation, materials, backfill and compaction)	1	EA	\$48,000.00	\$48,000.00	\$50,000.00	\$50,000.00
C20	Installation of 24" insertion valve (assume 48" bury, includes excavation, materials, backfill and compaction)	1	EA	\$60,000.00	\$60,000.00	\$75,000.00	\$75,000.00
D1	Uni-Directional Flushing Services performed at a combined rate				\$0.00		\$0.00

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D1a	Contractor will review the UDF sequences developed by MCU and identify the locations and quantities to be opened and closed for each sequence. Contractor will charge the price agreed upon for Item B3, *valve maintenance (without GPS location) for the opening and closing of valves for each sequence.	100	HR	\$245.00	\$24,500.00	\$150.00	\$15,000.00
D1b	Contractor will at identified locations flow hydrants for each sequence at flush times as defined by the UDF Engineerto generate the desired flow rate and water exchange. Contractor will use hourly rate of Maintenance flushing (D2) This hourly rate only applies to the time spent by the technician to open, flush and close each hydrant.	125	HR	\$245.00	\$30,625.00	\$150.00	\$18,750.00
D2	Maintenance Flushing Services performed at an hourly rate.	100	HR	\$125.00	\$12,500.00	\$150.00	\$15,000.00
GROUP E - ANCILLARY SERVICES (ADD TO ANY OF THE ABOVE HYDRANT AND/OR VALVE SCENARIO IF APPLICABLE)							
E1	Required use of Ductile Iron pipe in lieu of C-900 PVC pipe (cost to include any additional labor, materials, excavation, backfill and compaction)				\$0.00		\$0.00
E1a	6 inch	10	LF	\$62.00	\$620.00	\$200.00	\$2,000.00
E1b	8 inch	10	LF	\$78.00	\$780.00	\$232.00	\$2,320.00
E1c	10 inch	5	LF	\$82.00	\$410.00	\$586.00	\$2,930.00
E1d	12 inch	5	LF	\$94.00	\$470.00	\$760.00	\$3,800.00
E1e	14 inch	2	LF	\$155.00	\$310.00	\$877.00	\$1,754.00
E1f	16 inch	10	LF	\$155.00	\$1,550.00	\$2,768.00	\$27,680.00
E1g	20 inch	2	LF	\$185.00	\$370.00	\$3,771.00	\$7,542.00
E1h	24 inch	2	LF	\$200.00	\$400.00	\$5,023.00	\$10,046.00
E2	Line stop services (includes materials, excavation on < or= 48" bury to top of pipe, backfill and compaction)				\$0.00		\$0.00
E2a	4 inch line stop (SS fitting)	1	EA	\$13,250.00	\$13,250.00	\$14,670.00	\$14,670.00
E2b	4 inch line stop (epoxy fitting)	1	EA	\$12,000.00	\$12,000.00	\$14,507.00	\$14,507.00
E2c	6 inch line stop (SS fitting)	1	EA	\$15,000.00	\$15,000.00	\$18,078.00	\$18,078.00
E2d	6 inch line stop (epoxy fitting)	1	EA	\$14,000.00	\$14,000.00	\$18,078.00	\$18,078.00
E2e	8 inch line stop (SS fitting)	1	EA	\$15,500.00	\$15,500.00	\$20,093.00	\$20,093.00
E2f	10 inch line stop (SS fitting)	1	EA	\$16,500.00	\$16,500.00	\$24,831.00	\$24,831.00
E2g	12 inch line stop (epoxy fitting)	1	EA	\$15,500.00	\$15,500.00	\$26,366.00	\$26,366.00
E2h	14 inch line stop (epoxy fitting)	1	EA	\$17,000.00	\$17,000.00	\$35,151.00	\$35,151.00
E2i	16 inch line stop (epoxy fitting)	1	EA	\$17,000.00	\$17,000.00	\$39,820.00	\$39,820.00
E2j	20 inch line stop (epoxy fitting)	1		\$21,000.00	\$21,000.00	\$47,915.00	\$47,915.00
E2k	24 inch line stop (epoxy fitting)	1	EA	\$25,000.00	\$25,000.00	\$55,290.00	\$55,290.00