

## Wellshire Golf Course Irrigation Renovation

180 days

Contract No: 201733868

Bid Item	Description	Bid Quantity	Unit	Unit Price	Total Cost	Heritage Links Travelers Casualty & Surety Comp.		Duininck, Inc. Western Surety Company		American Civil Constructors Fidelity & Deposit Comp of Maryland	
						Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid
<b>PART 1: Mobilization</b>											
1	Mobilization, includes field verification of existing conditions, warranty, field staking assistance, central programming assistance, creating final as-built documents, project superintendent and administrative services, the total sum of:	1	LS	\$ 75,000.00	\$ 75,000.00	\$ 150,000.00	\$ 150,000.00	\$ 350,000.00	\$ 350,000.00	\$ 340,000.00	\$ 340,000.00
<b>PART 2: Labor and Material</b>											
1	Furnish and install a 30-35 GPM, full circle, electric actuated Valve-in-head sprinkler on Lasco acme 1 1/4" swing joint	975	EA	\$ 501.73	\$ 489,186.75	\$ 500.00	\$ 487,500.00	\$ 420.00	\$ 409,500.00	\$ 382.00	\$ 372,450.00
2	Furnish and install a 30-35 GPM, part circle, valve-in-head sprinkler on a Lasco acme 1 1/4" swing joint.	675	EA	\$ 534.41	\$ 360,726.75	\$ 520.00	\$ 351,000.00	\$ 420.00	\$ 283,500.00	\$ 407.00	\$ 274,725.00
3	Furnish and install a 30-35 GPM, part circle with "tail nozzle" valve-in-head sprinkler on a Lasco acme 1 1/4" swing joint.	460	EA	\$ 543.91	\$ 250,198.60	\$ 525.00	\$ 241,500.00	\$ 475.00	\$ 218,500.00	\$ 407.00	\$ 187,220.00
4	Furnish and install a Hunter I-20 sprinkler on a Lasco pressure regulated 1" swing joint.	175	EA	\$ 130.94	\$ 22,914.50	\$ 120.00	\$ 21,000.00	\$ 150.00	\$ 26,250.00	\$ 105.00	\$ 18,375.00
5	Furnish and install a Hunter PROS-04-PRS40-CV-MP2000xx sprinkler on a 1/2" swing joint.	881	EA	\$ 31.50	\$ 27,751.50	\$ 30.00	\$ 26,430.00	\$ 375.00	\$ 330,375.00	\$ 70.00	\$ 61,670.00
6	Furnish and install 1" acme thread quick coupling valve on swing joint.	25	EA	\$ 213.36	\$ 5,334.00	\$ 180.00	\$ 4,500.00	\$ 375.00	\$ 9,375.00	\$ 207.00	\$ 5,175.00
7	Furnish and install a 1 1/2" electric remote control valve & GDC decoder in Toro #TVB-1217-G-BDBS "dry box" valve box with green lid for decoder as detailed.	38	EA	\$ 640.82	\$ 24,351.16	\$ 550.00	\$ 20,900.00	\$ 375.00	\$ 14,250.00	\$ 441.00	\$ 16,758.00
8	Furnish and install a 1" electric remote control valve & GDC decoder in Toro # TVB-1217-G-BDBS "dry box" valve box with green lid for decoder as detailed.	90	EA	\$ 699.30	\$ 62,937.00	\$ 650.00	\$ 58,500.00	\$ 375.00	\$ 33,750.00	\$ 392.00	\$ 35,280.00
9	Furnish and install a field controller "remote Gateway" with all grounding and interface connections:	5	EA	\$ 7,087.50	\$ 35,437.50	\$ 5,500.00	\$ 27,500.00	\$ 12,000.00	\$ 60,000.00	\$ 6,200.00	\$ 31,000.00
10a	Furnish and install Toro Lynx central computer in the turfgrass care center office with all grounding, pump monitoring interface, power/surge protection, related software installation, setup, training and interface connections:	1	EA	\$ 56,614.88	\$ 56,614.88	\$ 35,000.00	\$ 35,000.00	\$ 80,000.00	\$ 80,000.00	\$ 75,000.00	\$ 75,000.00
10b	Furnish and install Toro Lynx central accessories (2) 64mb iPad with cellular modem, power/surge protection, related software installation, setup, training and interface connections:	1	EA	\$ 16,170.00	\$ 16,170.00	\$ 13,000.00	\$ 13,000.00	\$ 3,000.00	\$ 3,000.00	\$ 6,500.00	\$ 6,500.00
10c	Furnish and install Toro Lynx central accessories top of the line weather reporting station, power/surge protection, related software installation, setup, training and interface connections:	1	EA	\$ 16,125.05	\$ 16,125.05	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 16,000.00	\$ 16,000.00
11	Furnish and install 16" HDPE pipe and fittings.	260	LF	\$ 45.78	\$ 11,902.80	\$ 45.00	\$ 11,700.00	\$ 60.00	\$ 15,600.00	\$ 83.00	\$ 21,580.00
12	Furnish and install 12" HDPE, DR11 resin mainline pipe and fittings.	3,000	LF	\$ 31.50	\$ 94,500.00	\$ 35.00	\$ 105,000.00	\$ 40.00	\$ 120,000.00	\$ 51.00	\$ 153,000.00
13a	Furnish and install 10" HDPE, SDR11 mainline pipe and fittings.	1,500	LF	\$ 20.16	\$ 30,240.00	\$ 28.00	\$ 42,000.00	\$ 35.00	\$ 52,500.00	\$ 37.00	\$ 55,500.00

<b>14</b>	Furnish and install 8" HDPE, SDR11 mainline pipe and fittings.	4,500	LF	\$ 12.60	\$ 56,700.00	\$ 22.00	\$ 99,000.00	\$ 30.00	\$ 135,000.00	\$ 36.00	\$ 162,000.00
<b>15a</b>	Furnish and install 6" HDPE, SDR11/161 PSI mainline pipe and fittings.	7,500	LF	\$ 7.39	\$ 55,425.00	\$ 12.00	\$ 90,000.00	\$ 26.00	\$ 195,000.00	\$ 31.00	\$ 232,500.00
<b>16a</b>	Furnish and install 4" HDPE, SDR11/161 PSI mainline pipe and fittings.	500	LF	\$ 3.55	\$ 1,775.00	\$ 7.00	\$ 3,500.00	\$ 22.00	\$ 11,000.00	\$ 25.00	\$ 12,500.00
<b>16c</b>	Furnish and install 4" HDPE, SDR11/161 PSI Ditch Bore	200	LF	\$ 84.00	\$ 16,800.00	\$ 30.00	\$ 6,000.00	\$ 60.00	\$ 12,000.00	\$ 28.00	\$ 5,600.00
<b>17a</b>	Furnish and install 2" HDPE, SDR11 pipe and fittings.	126,000	LF	\$ 1.18	\$ 148,680.00	\$ 3.00	\$ 378,000.00	\$ 3.25	\$ 409,500.00	\$ 8.45	\$ 1,064,700.00
<b>18</b>	Furnish and install 1 1/2" HDPE, SDR11 pipe and fittings.	5,500	LF	\$ 1.07	\$ 5,885.00	\$ 2.75	\$ 15,125.00	\$ 3.25	\$ 17,875.00	\$ 5.79	\$ 31,845.00
<b>19a</b>	Furnish and install 12" HDPE, SDR11 Ditch Bore	120	LF	\$ 120.00	\$ 14,400.00	\$ 90.00	\$ 10,800.00	\$ 100.00	\$ 12,000.00	\$ 100.00	\$ 12,000.00
<b>19b</b>	Furnish and install 8" HDPE, SDR11 Ditch Bore	120	LF	\$ 80.00	\$ 9,600.00	\$ 60.00	\$ 7,200.00	\$ 80.00	\$ 9,600.00	\$ 47.00	\$ 5,640.00
<b>19c</b>	Furnish and install 6" HDPE, SDR11 Ditch Bore	360	LF	\$ 60.00	\$ 21,600.00	\$ 52.00	\$ 18,720.00	\$ 70.00	\$ 25,200.00	\$ 34.00	\$ 12,240.00
<b>19d</b>	Furnish and install 4" HDPE, SDR11 Ditch Bore	420	LF	\$ 40.00	\$ 16,800.00	\$ 40.00	\$ 16,800.00	\$ 60.00	\$ 25,200.00	\$ 28.00	\$ 11,760.00
<b>19e</b>	Furnish and install 2" HDPE, SDR11 Ditch Bore	240	LF	\$ 30.00	\$ 7,200.00	\$ 30.00	\$ 7,200.00	\$ 60.00	\$ 14,400.00	\$ 24.00	\$ 5,760.00
<b>19f</b>	Furnish and install 1-1/2" HDPE, SDR11 Ditch Bore	120	LF	\$ 30.00	\$ 3,600.00	\$ 25.00	\$ 3,000.00	\$ 60.00	\$ 7,200.00	\$ 24.00	\$ 2,880.00
<b>20</b>	Furnish and install 16" flanged isolation valve w/box and sleeve.	1	EA	\$ 3,768.43	\$ 3,768.43	\$ 4,300.00	\$ 4,300.00	\$ 7,500.00	\$ 7,500.00	\$ 6,900.00	\$ 6,900.00
<b>21</b>	Furnish and install 12" flanged isolation valve w/box and sleeve.	7	EA	\$ 9,437.13	\$ 66,059.91	\$ 2,100.00	\$ 14,700.00	\$ 4,000.00	\$ 28,000.00	\$ 3,000.00	\$ 21,000.00
<b>22</b>	Furnish and install 10" flanged isolation valve w/box and sleeve.	9	EA	\$ 3,948.00	\$ 35,532.00	\$ 1,200.00	\$ 10,800.00	\$ 2,200.00	\$ 19,800.00	\$ 1,900.00	\$ 17,100.00
<b>23</b>	Furnish and install 8" flanged isolation valve w/box and sleeve.	1	EA	\$ 2,679.60	\$ 2,679.60	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 1,300.00	\$ 1,300.00
<b>24a</b>	Furnish and install 6" flanged isolation valve w/box and sleeve.	5	EA	\$ 1,616.45	\$ 8,082.25	\$ 800.00	\$ 4,000.00	\$ 1,800.00	\$ 9,000.00	\$ 960.00	\$ 4,800.00
<b>25a</b>	Furnish and install 4" gasketed/push-on/flanged isolation valve w/box and sleeve.	7	EA	\$ 1,152.42	\$ 8,066.94	\$ 600.00	\$ 4,200.00	\$ 1,500.00	\$ 10,500.00	\$ 710.00	\$ 4,970.00
<b>25b</b>	Furnish and install 4" flanged "cross connection" isolation valve w/box and sleeve.	7	EA	\$ 1,152.42	\$ 8,066.94	\$ 600.00	\$ 4,200.00	\$ 1,800.00	\$ 12,600.00	\$ 1,500.00	\$ 10,500.00
<b>26a</b>	Furnish and install 2" Harco or Leemco angle isolation valve w/box, sleeve and cross handle.	110	EA	\$ 344.21	\$ 37,863.10	\$ 250.00	\$ 27,500.00	\$ 1,000.00	\$ 110,000.00	\$ 560.00	\$ 61,600.00
<b>26b</b>	Furnish and install 2" Lasco slo-close drain valve w/box, sleeve and cross handle.	12	EA	\$ 344.21	\$ 4,130.52	\$ 250.00	\$ 3,000.00	\$ 550.00	\$ 6,600.00	\$ 460.00	\$ 5,520.00
<b>27</b>	Furnish and install 2" Crispin air and vacuum relief valve.	12	EA	\$ 651.00	\$ 7,812.00	\$ 650.00	\$ 7,800.00	\$ 550.00	\$ 6,600.00	\$ 750.00	\$ 9,000.00
<b>28</b>	Furnish and install #8-3 with Ground, 120 volt power wire in 1 1/2" conduit.	7,500	LF	\$ 6.30	\$ 47,250.00	\$ 0.86	\$ 6,450.00	\$ 4.00	\$ 30,000.00	\$ 1.20	\$ 9,000.00
<b>29</b>	Furnish and install #14-2, 24 volt power wire to Toro Turf Guard repeaters.	7,500	LF	\$ 1.05	\$ 7,875.00	\$ 0.28	\$ 2,100.00	\$ 2.00	\$ 15,000.00	\$ 0.35	\$ 2,625.00
<b>30</b>	Furnish and install Paige #18016x, #12-2, Toro GDC Decoder "Trunk" communication cable.	30,000	LF	\$ 0.74	\$ 22,200.00	\$ 0.48	\$ 14,400.00	\$ 0.45	\$ 13,500.00	\$ 0.50	\$ 15,000.00
<b>31</b>	Furnish and install Paige #180151/ #14-2 Toro GDC Decoder "Lateral" communication cable.	150,000	LF	\$ 0.63	\$ 94,500.00	\$ 0.36	\$ 54,000.00	\$ 0.30	\$ 45,000.00	\$ 0.35	\$ 52,500.00
<b>32</b>	Furnish and install Toro Surge arrester #DEC-SG-LINE & grounding plate communication cable as required for premium surge protection (every 500' and/or every 15 valves, more is better).	90	EA	\$ 420.00	\$ 37,800.00	\$ 650.00	\$ 58,500.00	\$ 750.00	\$ 67,500.00	\$ 1,000.00	\$ 90,000.00
<b>33</b>	Furnish and install Paige 3 way switching device at ALL places (usually at change of directions) where the decoder cable is spliced into a 3 way connection	110	EA	\$ 630.00	\$ 69,300.00	\$ 110.00	\$ 12,100.00	\$ 750.00	\$ 82,500.00	\$ 157.00	\$ 17,270.00

<b>34</b> Furnish and install Paige 2 way switching device at ALL places (usually lateral pipe connections) where the decoder cable is spliced into a 2 way connection	200	EA	\$ 577.50	\$ 115,500.00	\$ 90.00	\$ 18,000.00	\$ 750.00	\$ 150,000.00	\$ 117.00	\$ 23,400.00
<b>35</b> Furnish and install new 8" backflow with new Hot Box Dura Fold Enclosure, concrete pad, electrical connections, all fittings, pipe, drain valves, asphalt and concrete repair.	1	LS	47500	\$ 47,500.00	\$ 30,000.00	\$ 30,000.00	\$ 45,000.00	\$ 45,000.00	\$ 45,101.00	\$ 45,101.00
			<b>Engineers Estimate</b>	<b>\$ 2,561,842.18</b>		<b>\$ 2,542,925.00</b>		<b>\$ 3,556,675.00</b>		<b>\$ 3,627,244.00</b>
			<b>Textura Fee</b>			<b>4322.97</b>		<b>6046.35</b>		<b>6166.32</b>
			<b>Total Bid</b>			<b>\$ 2,547,247.97</b>		<b>\$ 3,562,721.35</b>		<b>\$ 3,633,410.32</b>
<b>Alternate #1:</b> Add for Toro Infinity Series sprinklers	1	LS	\$ 52,750.00	\$ 52,750.00	\$ 17,555.00		\$ 1.00		\$ 26,000.00	
<b>Alternate #2:</b> Add for Toro Turfguard System	1	LS	\$ 50,000.00	\$ 50,000.00	\$ 41,000.00		\$ 28,000.00		\$ 32,500.00	
<b>Alternate #3:</b> Add sprinklers yardage markers:	1	LS	\$ 7,000.00	\$ 7,000.00	\$ 8,621.00		\$ 6,000.00		\$ 7,500.00	
<b>Alternate #4:</b> Add for "Deep Bury" System	1	LS	\$ 165,000.00	\$ 165,000.00	\$ 113,620.00		\$ 24,000.00		\$ 162,000.00	
<b>Alternate #5:</b> Add spray heads at bunkers	1	LS	\$ 38,000.00	\$ 38,000.00	\$ 61,560.00		\$ 68,000.00		\$ 73,700.00	
<b>Alternate #6:</b> Add for Aquafuse Warranty	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 42,000.00		\$ 35,000.00		\$ 27,500.00	
<b>Alternate #7:</b> Add Fertigation System	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 1,800.00		\$ 40,000.00		\$ 2,000.00	
					<b>Grand Total</b>	<b>\$ 2,833,403.97</b>				