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GOLDEN VALLEY WATER SYSTEM IMPROVEMENTS

GOLDEN VALLEY, ARIZONA


S#	DWG #	DETAIL #	CSI NO	DESCRIPTION	QTY.	UNIT	WASTAGE %	QTY W/ WASTAGE	MATERIAL COST	UNIT MANHOURS	HOURLY RATE	LABOR COST	TOTAL COST
DIVISION 01 - GENERAL CONDITIONS													
				GC/SC Bonds (8%)	1	LS	0%	1	\$ -			\$ -	\$ 15,000.00
				Mobilization Cost (5%)	1	LS	0%	1	\$ -			\$ -	\$ 42,000.00
				Building Permits (10%)	1	LS	0%	1	\$ -			\$ -	\$ 6,000.00
				Supervision Fee (5%)	1	LS	0%	1	\$ -			\$ -	\$ 55,000.00
				Overhead & Profit (7%)	1	LS	0%	1	\$ -			\$ -	\$ 15,000.00
				Sub total									\$ 133,000.00
02 00 00 DIVISION 02 - DEMOLATION													
				SELECTIVE DEMO									
6	C1 TO T4	C1 TO T4		Cut two middle Panel along joint and remove damage surrounding concrete	131.18	SF	10%	144	\$ -	0.085	\$ 65.00	\$ 5.53	\$ 797.25
7	C1 TO T4	C1 TO T4		Remove Existing Tee	2	EA	0%	2	\$ -	0.52	\$ 65.00	\$ 33.80	\$ 67.60
8	C1 TO T4	C1 TO T4		Remove Existing Hydrant and Relocate	1	EA	0%	1	\$ -	8	\$ 65.00	\$ 520.00	\$ 520.00
9	C1 TO T4	C1 TO T4		Remove Sleeve And Connect 6" Water	2.64	LF	10%	3	\$ 120.00	0.452	\$ 65.00	\$ 29.38	\$ 433.80
10	C1 TO T4	C1 TO T4		Remove 12" Gate Valve	2	EA	0%	2	\$ -	3.65	\$ 65.00	\$ 237.25	\$ 474.50
11	C1 TO T4	C1 TO T4		Remove Existing 6" Gate Valve	1	EA	0%	1	\$ -	1.85	\$ 65.00	\$ 120.25	\$ 120.25
12	C1 TO T4	C1 TO T4		Flush Valve To Be Removed And Salvaged To Owner	1	EA	0%	1	\$ -	2	\$ 65.00	\$ 130.00	\$ 130.00
13	C1 TO T4	C1 TO T4		Remove Existing Asphalt include sub base	11883	SF	10%	13071	\$ -	0.012	\$ 62.00	\$ 0.74	\$ 9,725.05
14	C1 TO T4	C1 TO T4		Saw Cut For Road Payment	894.75	LF	10%	984	\$ -	0.038	\$ 65.00	\$ 2.47	\$ 2,431.04
				Sub total									\$ 14,699.48
DIVISION 31 -EARTHWORK													
				Soil to be Exported									
15	C1 TO T4	C1 TO T4		Soil to be Exported	998	CY	10%	1097	\$ -	0.12	\$ 60.00	\$ 7.20	\$ 7,901.06
				Excavation and Backfill									
16	C1 TO T4	C1 TO T4		Excavation For trench	4076	CY	10%	4484	\$ -	0.085	\$ 68.00	\$ 5.78	\$ 25,918.03
17	C1 TO T4	C1 TO T4		Water Service Shall be bored in lieu of trench excavation across Chino drive	499	CY	10%	549	\$ -	0.32	\$ 68.00	\$ 21.76	\$ 11,954.65
18	C1 TO T4	C1 TO T4		Backfill for trench Bedding material	861	CY	10%	947	\$ 32.65	0.42	\$ 68.00	\$ 28.56	\$ 57,948.29
19	C1 TO T4	C1 TO T4		Soil Backfill For trench	2718	CY	10%	2989	\$ -	0.12	\$ 68.00	\$ 8.16	\$ 24,393.44
				Sub total									\$ 128,115.48
DIVISION 32 - EXTERIOR IMPROVEMENT													
				Asphalt									
20	C1 TO T4	C1 TO T4		3" AC Pavement	11883	SF	10%	13071	\$ 3.32	0.012	\$ 65.00	\$ 0.78	\$ 53,592.33
21	C1 TO T4	C1 TO T4		6" Sub Base	11883	SF	10%	13071	\$ 1.02	0.015	\$ 65.00	\$ 0.98	\$ 26,077.24
22	C1 TO T4	C1 TO T4		Compacted Sub Grade	11883	SF	10%	13071	\$ -	0.008	\$ 65.00	\$ 0.52	\$ 6,797.08
				Sub total									\$ 86,466.65
DIVISION 33 UTILITIES													
				Pipe									
23	C1 TO T4	C1 TO T4		12" PVC DR14	16463	LF	10%	18109	\$ 12.98	0.085	\$ 68.00	\$ 5.78	\$ 339,723.25
24	C1 TO T4	C1 TO T4		8" PVC DR14	723	LF	10%	795	\$ 11.20	0.07	\$ 68.00	\$ 4.76	\$ 12,692.81
25	C1 TO T4	C1 TO T4		6" PVC DR14	1028	LF	10%	1131	\$ 9.98	0.06	\$ 68.00	\$ 4.08	\$ 15,902.45
26	C1 TO T4	C1 TO T4		4" PVC DR14	67	LF	10%	74	\$ 6.85	0.055	\$ 68.00	\$ 3.74	\$ 784.09
27	C1 TO T4	C1 TO T4		2" PVC DR14	63	LF	10%	69	\$ 3.65	0.042	\$ 68.00	\$ 2.86	\$ 450.94
28				HDPE Pipe 40 PVC	584	LF	10%	642	\$ 9.98	0.085	\$ 68.00	\$ 5.78	\$ 10,124.22
				Tee									
29	C1 TO T4	C1 TO T4		12" Tee	7	EA	0%	7	\$ 439.62	2.5	\$ 68.00	\$ 170.00	\$ 4,267.34
30	C1 TO T4	C1 TO T4		12"x6" Tee	13	EA	0%	13	\$ 485.62	2.98	\$ 68.00	\$ 202.64	\$ 8,947.38
31	C1 TO T4	C1 TO T4		6" Tee	11	EA	0%	11	\$ 98.62	1.65	\$ 68.00	\$ 112.20	\$ 2,319.02
32	C1 TO T4	C1 TO T4		12"x8" Tee	3	EA	0%	3	\$ 498.62	3.2	\$ 68.00	\$ 217.60	\$ 2,148.66
33	C1 TO T4	C1 TO T4		6"x4" Tee	2	EA	0%	2	\$ 125.62	1.98	\$ 68.00	\$ 134.64	\$ 520.52
34	C1 TO T4	C1 TO T4		8"x6" Tee	1	EA	0%	1	\$ 158.00	2.65	\$ 68.00	\$ 180.20	\$ 338.20
35	C1 TO T4	C1 TO T4		12"x12" Tee	1	EA	0%	1	\$ 512.00	2.85	\$ 68.00	\$ 193.80	\$ 705.80
				Valve									
36	C1 TO T4	C1 TO T4		2" Valve	1	EA	0%	1	\$ 185.32	1.5	\$ 68.00	\$ 102.00	\$ 287.32
37	C1 TO T4	C1 TO T4		6" Gate Valve	39	EA	0%	39	\$ 1,018.62	3.2	\$ 68.00	\$ 217.60	\$ 48,212.58
38	C1 TO T4	C1 TO T4		12" Gate Valve	35	EA	0%	35	\$ 2,837.00	5.62	\$ 68.00	\$ 382.16	\$ 112,670.60
39	C1 TO T4	C1 TO T4		4" Gate Valve	3	EA	0%	3	\$ 852.00	2.85	\$ 68.00	\$ 193.80	\$ 3,137.40
40	C1 TO T4	C1 TO T4		Flushing Valve	15	EA	0%	15	\$ 235.00	1.75	\$ 68.00	\$ 119.00	\$ 5,310.00
41	C1 TO T4	C1 TO T4		8" Gate Valve	9	EA	0%	9	\$ 1,524.00	4.2	\$ 68.00	\$ 285.60	\$ 16,286.40
42	C1 TO T4	C1 TO T4		12" Butterfly Valve	1	EA	0%	1	\$ 3,901.00	6.2	\$ 68.00	\$ 421.60	\$ 4,322.60
43	C1 TO T4	C1 TO T4		Install Combination air release and air Vacuum Valves	6	EA	0%	6	\$ 1,252.00	4.5	\$ 68.00	\$ 306.00	\$ 9,348.00
44				12" Corporation Stop Valve	109	EA	0%	109	\$ 100.00	4.5	\$ 68.00	\$ 306.00	\$ 44,254.00
				Bend									
45	C1 TO T4	C1 TO T4		2" Di 90 Degree Bend	2	EA	0%	2	\$ 11.25	0.42	\$ 68.00	\$ 28.56	\$ 79.62
46	C1 TO T4	C1 TO T4		12" Di 45 Degree Bend	3	EA	0%	3	\$ 320.25	1.85	\$ 68.00	\$ 125.80	\$ 1,338.15
47	C1 TO T4	C1 TO T4		6" Di 45 Degree Bend	1	EA	0%	1	\$ 98.62	0.852	\$ 68.00	\$ 57.94	\$ 156.56
48	C1 TO T4	C1 TO T4		8" Di 45 Degree Bend	2	EA	0%	2	\$ 145.00	1.2	\$ 68.00	\$ 81.60	\$ 453.20
49	C1 TO T4	C1 TO T4		8" Di 90 Degree Bend	1	EA	0%	1	\$ 145.00	1.2	\$ 68.00	\$ 81.60	\$ 226.60
50	C1 TO T4	C1 TO T4		4" Di 90 Degree Bend	5	EA	0%	5	\$ 38.65	0.652	\$ 68.00	\$ 44.34	\$ 414.93
51	C1 TO T4	C1 TO T4		6" Di 90 Degree Bend	2	EA	0%	2	\$ 98.62	0.852	\$ 68.00	\$ 57.94	\$ 313.11
				Cross									
52	C1 TO T4	C1 TO T4		12"x6" Di Cross	16	EA	0%	16	\$ 485.62	2.98	\$ 68.00	\$ 202.64	\$ 11,012.16
53	C1 TO T4	C1 TO T4		12"x8" Di Cross	2	EA	0%	2	\$ 498.62	3.2	\$ 68.00	\$ 217.60	\$ 1,432.44
54	C1 TO T4	C1 TO T4		6"x6" Cross	1	EA	0%	1	\$ 120.20	1	\$ 68.00	\$ 68.00	\$ 188.20
55	C1 TO T4	C1 TO T4		Utility Crossing	38	EA	0%	38	\$ 165.62	1.42	\$ 68.00	\$ 96.56	\$ 9,962.84
				Reducer									
56	C1 TO T4	C1 TO T4		12"x8" Di Reducer	3	EA	0%	3	\$ 498.62	3.2	\$ 68.00	\$ 217.60	\$ 2,148.66
57	C1 TO T4	C1 TO T4		6"x4" Di Reducer	13	EA	0%	13	\$ 120.20	1	\$ 68.00	\$ 68.00	\$ 2,446.60
58	C1 TO T4	C1 TO T4		8"x4" Di Reducer	2	EA	0%	2	\$ 198.00	1.65	\$ 68.00	\$ 112.20	\$ 620.40
59	C1 TO T4	C1 TO T4		12"x6" Di Reducer	1	EA	0%	1	\$ 485.62	2.98	\$ 68.00	\$ 202.64	\$ 688.26
				Restrained Coupling Adaptor									
60	C1 TO T4	C1 TO T4		6" Restrained Coupling Adaptor	1	EA	0%	1	\$ 708.62	1.5	\$ 68.00	\$ 102.00	\$ 810.62
61	C1 TO T4	C1 TO T4		4" Restrained Coupling Adaptor	1	EA	0%	1	\$ 455.00	1.2	\$ 68.00	\$ 81.60	\$ 536.60
62	C1 TO T4	C1 TO T4		ARV	12	EA	0%	12	\$ 650.20	1.85	\$ 68.00	\$ 125.80	\$ 9,312.00
				Abandon									
63	C1 TO T4	C1 TO T4		Close Existing Valve cut pipe and plug end of pipe	62	EA	0%	62	\$ 35.00	0.4	\$ 68.00	\$ 27.20	\$ 3,856.40
				Fire Hydrant									
64	C1 TO T4	C1 TO T4		New Fire Hydrant	2	EA	0%	2	\$ 5,252.00	7.25	\$ 68.00	\$ 493.00	\$ 11,490.00
65	C1 TO T4	C1 TO T4		Relocate Double Head Fire Hydrant And Rotate Barrel	1	EA	0%	1	\$ -	12.32	\$ 68.00	\$ 837.76	\$ 837.76
				Connection									
66	C1 TO T4	C1 TO T4		Connection 6" Pvc Existing Pipe Line	5	EA	0%	5	\$ 152.00	0.85	\$ 68.00	\$ 57.80	\$ 1,049.00
67	C1 TO T4	C1 TO T4		12" Service Line Connection	82	EA	0%	82	\$ 168.00	1.25	\$ 68.00	\$ 85.00	\$ 20,746.00
68	C1 TO T4	C1 TO T4		Connection New Service Line To Existing Meter	73	EA	0%	73	\$ 132.00	1	\$ 68.00	\$ 68.00	\$ 14,600.00
69	C1 TO T4	C1 TO T4		1" Connect For New Service Line	1	EA	0%	1	\$ 152.00	1.85	\$ 68.00	\$ 125.80	\$ 277.80
70	C1 TO T4	C1 TO T4		12" Di Sleeve Connection To Existing	2	EA	0%	2	\$ 485.00	2.85	\$ 68.00	\$ 193.80	\$ 1,357.60
71	C1 TO T4	C1 TO T4		8" Service Line Connection	3	EA	0%	3	\$ 425.00	2.32	\$ 68.00	\$ 157.76	\$ 1,748.28

72	C1 TO T4	C1 TO T4	6" Cap	12	EA	0%	12	\$ 75.20	0.452	\$ 68.00	\$ 30.74	\$ 1,271.23
73	C1 TO T4	C1 TO T4	4" Cap	1	EA	0%	1	\$ 51.32	0.4	\$ 68.00	\$ 27.20	\$ 78.52
74	C1 TO T4	C1 TO T4	12" Pipe Cap	1	EA	0%	1	\$ 120.25	0.625	\$ 68.00	\$ 42.50	\$ 162.75
75	C1 TO T4	C1 TO T4	Install 12" Cap For Future Connection	1	EA	0%	1	\$ 120.25	0.625	\$ 68.00	\$ 42.50	\$ 162.75
76	C1 TO T4	C1 TO T4	8" Cap	1	EA	0%	1	\$ 98.62	0.525	\$ 68.00	\$ 35.70	\$ 134.32
			Plug									
77	C1 TO T4	C1 TO T4	12" Plug	1	EA	0%	1	\$ 485.00	1.85	\$ 68.00	\$ 125.80	\$ 610.80
78	C1 TO T4	C1 TO T4	2" Corp Stop	1	EA	0%	1	\$ 213.36	0.852	\$ 68.00	\$ 57.94	\$ 271.30
79	C1 TO T4	C1 TO T4	2" Service Saddle W/2" Curb Box	2	EA	0%	2	\$ 752.00	2.65	\$ 68.00	\$ 180.20	\$ 1,864.40
			Coupling									
80	C1 TO T4	C1 TO T4	4" Coupling	1	EA	0%	1	\$ 52.20	1	\$ 68.00	\$ 68.00	\$ 120.20
81	C1 TO T4	C1 TO T4	6" Coupling Connect	2	EA	0%	2	\$ 59.98	1.32	\$ 68.00	\$ 89.76	\$ 299.48
			Drain									
82	C1 TO T4	C1 TO T4	12" Overflow	1	EA	0%	1	\$ 625.00	2.65	\$ 68.00	\$ 180.20	\$ 805.20
83	C1 TO T4	C1 TO T4	8" Drain	1	EA	0%	1	\$ 325.00	1.75	\$ 68.00	\$ 119.00	\$ 444.00
			Sub total									\$ 747,082.32

BASE BID												\$ 1,109,363.93
OVERHEADS @ 10												
PROFITS @ 10												
CONTINGENCY @ 5												
TOTAL COST WITH OVERHEADS + PROFIT												\$ 277,340.98
TOTAL BID												\$ 1,386,704.91

General Exclusions: Any kind of controlled inspection, contaminated material, architect and engineering fees, security, building charges, sign off, asbestos removal, protection of adjoining building (if any), any work not mentioned above.

General Notes: The prices used while preparing the estimate were taken from RSMeans online i.e. the standard pricing & the company is not responsible for any kind of variations in the prices. So, it is preferred to review the prices.

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S#	DWG #	DETAIL #	CSI NO	DESCRIPTION	QTY.	UNIT	WASTAGE %	QTY W/ WASTAGE	MATERIAL COST	UNIT MANHOURS	HOURLY RATE	LABOR COST	TOTAL COST
DIVISION 01 - GENERAL CONDITIONS													
				GC/SC Bonds (8%)	1	LS	0%	1	\$ -			\$ -	\$ 15,000.00
				Mobilization Cost (5%)	1	LS	0%	1	\$ -			\$ -	\$ 42,000.00
				Building Permits (10%)	1	LS	0%	1	\$ -			\$ -	\$ 6,000.00
				Supervision Fee (5%)	1	LS	0%	1	\$ -			\$ -	\$ 55,000.00
				Overhead & Profit (7%)	1	LS	0%	1	\$ -			\$ -	\$ 15,000.00
				<i>Sub total</i>									\$ 133,000.00
DIVISION 33 UTILITIES													
				Storage Tank									
6	C1 TO T4	C1 TO T4		Proposed 500,000 Gal Storage Tank	1	EA	0%	1	\$ 132,000.00	120	\$ 68.00	\$ 8,160.00	\$ 140,160.00
7	C1 TO T4	C1 TO T4		8" Blind Flange	1	EA	0%	1	\$ 110.85	1.85	\$ 68.00	\$ 125.80	\$ 236.65
8	C1 TO T4	C1 TO T4		12" Di 90 Degree Bend	2	EA	0%	2	\$ 475.00	2.65	\$ 68.00	\$ 180.20	\$ 1,310.40
9	C1 TO T4	C1 TO T4		Tank Cleanout	1	EA	0%	1	\$ 750.00	3.25	\$ 68.00	\$ 221.00	\$ 971.00
10	C1 TO T4	C1 TO T4		24'-0" Ladder	1	EA	0%	1	\$ 1,252.00	4	\$ 68.00	\$ 272.00	\$ 1,524.00
11	C1 TO T4	C1 TO T4		Bolt for Flanges Shall be 307A Zic Coated	120	EA	0%	120	\$ 1.50	4	\$ 68.00	\$ 272.00	\$ 32,820.00
12	C1 TO T4	C1 TO T4		Interior Coating to be sherwing William Macropoxy 646 fast Curve	2168	SF	10%	2385	\$ 3.00	0.05	\$ 68.00	\$ 3.40	\$ 15,262.72
13	C1 TO T4	C1 TO T4		Exterior Coating Sher-cry HPA High Performance Acrylic	67848	SF	10%	74633	\$ 3.50	0.05	\$ 68.00	\$ 3.40	\$ 514,966.32
14	C1 TO T4	C1 TO T4		3/8"x12" Steel Retaining Wall	1025.1	LBS	10%	1128	\$ 110.00	3	\$ 90.00	\$ 270.00	\$ 428,491.80
				<i>Sub total</i>									\$ 1,135,742.89
BASE BID													\$ 1,268,742.89
OVERHEADS @ 10													
PROFITS @ 10													
CONTINGENCY @ 5													
TOTAL COST WITH OVERHEADS + PROFIT					25%								\$ 317,185.72
TOTAL BID													\$ 1,585,928.61
General Exclusions: Any kind of controlled inspection, contaminated material, architect and engineering fees, security, building charges, sign off, asbestos removal, protection of adjoining building (if any), any work not mentioned above.													
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