

Building Data Summary	
Project ID:	*****
Location:	*****
Scope of Work:	Plumbing & HVAC
Date:	

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
DIVISION.01 GENERAL REQUIREMENTS														
1		Supervision and Coordination	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 8,500.00	
2		Submittals and Shop drawings	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
3		Final Cleaning	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
4		Mobilization Costs	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
5		Temporary Control & Facilities	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
		Subtotal (General Requirements)												\$ 8,500
DIVISION 01-Site														
		Site												
6		Connection To Existing 8" Pipe	EA	1	0%	1	\$ 12.00	\$ 12.00	0.120	\$ 50.00	\$ 6.00	\$ 6.00	\$ 18.00	
7		(4" Dia) 2-Way Exterior Cleanout Manuf: JR.SMITH Model: 4261L	EA	2	0%	2	\$ 170.00	\$ 340.00	1.000	\$ 50.00	\$ 50.00	\$ 100.00	\$ 440.00	
8		(4" Dia) PVC Sanitary Pipe	LF	72	5%	76	\$ 4.50	\$ 340.20	0.200	\$ 50.00	\$ 10.00	\$ 756.00	\$ 1,096.20	
9		(1" Dia) Copper K Water Pipe	LF	201	5%	211	\$ 6.10	\$ 1,287.41	0.300	\$ 50.00	\$ 15.00	\$ 3,165.75	\$ 4,453.16	
10		(6" Dia) DI Fire Pipe	LF	205	5%	215	\$ 14.00	\$ 3,013.50	0.400	\$ 50.00	\$ 20.00	\$ 4,305.00	\$ 7,318.50	
11		(6" Dia) Fire Hydrant Assembly	EA	1	0%	1	\$ 3,500.00	\$ 3,500.00	3.500	\$ 50.00	\$ 175.00	\$ 175.00	\$ 3,675.00	
12		(6" Dia) 90D Bend	EA	2	0%	2	\$ 220.00	\$ 440.00	1.500	\$ 50.00	\$ 75.00	\$ 150.00	\$ 590.00	
13		(1" Dia) 90D Bend	EA	2	0%	2	\$ 20.00	\$ 40.00	0.300	\$ 50.00	\$ 15.00	\$ 30.00	\$ 70.00	
14		(6" Dia) 11.25D Bend	EA	1	0%	1	\$ 180.00	\$ 180.00	1.000	\$ 50.00	\$ 50.00	\$ 50.00	\$ 230.00	
15		(1" Dia) 11.25D Bend	EA	1	0%	1	\$ 18.00	\$ 18.00	0.300	\$ 50.00	\$ 15.00	\$ 15.00	\$ 33.00	
16		(6" Dia) 45D Bend	EA	2	0%	2	\$ 200.00	\$ 400.00	1.200	\$ 50.00	\$ 60.00	\$ 120.00	\$ 520.00	
17		(2" Dia) Gas Meter	EA	1	0%	1	\$ 1,300.00	\$ 1,300.00	2.500	\$ 50.00	\$ 125.00	\$ 125.00	\$ 1,425.00	
18		(6" Dia) Fire Double Detector Check Valve Assembly	EA	1	0%	1	\$ 6,520.00	\$ 6,520.00	5.000	\$ 50.00	\$ 250.00	\$ 250.00	\$ 6,770.00	
19		Fire Dept. Connection	EA	1	0%	1	\$ 650.00	\$ 650.00	3.000	\$ 50.00	\$ 150.00	\$ 150.00	\$ 800.00	
20		(1" Dia) RPZ Backflow Preventer mANUF: WATTS Model: 975-NRS	EA	2	0%	2	\$ 750.00	\$ 1,500.00	2.500	\$ 50.00	\$ 125.00	\$ 250.00	\$ 1,750.00	
21		(1" Dia) Irrigation Meter	EA	1	0%	1	\$ 320.00	\$ 320.00	2.000	\$ 50.00	\$ 100.00	\$ 100.00	\$ 420.00	
22		(1" Dia) Gate Valve	EA	2	0%	2	\$ 60.00	\$ 120.00	0.750	\$ 50.00	\$ 37.50	\$ 75.00	\$ 195.00	
23		(1" Dia) Reducer	EA	1	0%	1	\$ 3.50	\$ 3.50	0.200	\$ 50.00	\$ 10.00	\$ 10.00	\$ 13.50	
24		(1" Dia) Tee	EA	1	0%	1	\$ 2.50	\$ 2.50	0.300	\$ 50.00	\$ 15.00	\$ 15.00	\$ 17.50	
25		(1" Dia) Water Meter	EA	1	0%	1	\$ 445.00	\$ 445.00	2.000	\$ 50.00	\$ 100.00	\$ 100.00	\$ 545.00	
26		Connection To Existing 6" Pipe	EA	1	0%	1	\$ 12.00	\$ 12.00	0.120	\$ 50.00	\$ 6.00	\$ 6.00	\$ 18.00	
27		(6"x6") Tapping Sleeve & Valve	EA	1	0%	1	\$ 1,900.00	\$ 1,900.00	4.500	\$ 50.00	\$ 225.00	\$ 225.00	\$ 2,125.00	
28		(6"x2" Dia) Tee	EA	1	0%	1	\$ 350.00	\$ 350.00	2.000	\$ 50.00	\$ 100.00	\$ 100.00	\$ 450.00	
29		(6" Dia) Gate Valve	EA	1	0%	1	\$ 1,150.00	\$ 1,150.00	2.500	\$ 50.00	\$ 125.00	\$ 125.00	\$ 1,275.00	
30		(2" Dia) Gate Valve	EA	1	0%	1	\$ 400.00	\$ 400.00	1.500	\$ 50.00	\$ 75.00	\$ 75.00	\$ 475.00	
31		(2" Dia) PE Gas Pipe	LF	165	5%	173	\$ 4.50	\$ 779.63	0.500	\$ 50.00	\$ 25.00	\$ 4,331.25	\$ 5,110.88	
32		Connection To Existing 1" Pipe	EA	1	0%	1	\$ 10.00	\$ 10.00	0.120	\$ 50.00	\$ 6.00	\$ 6.00	\$ 16.00	
		Trenching												
33		Excavation	CY	192	5%	202	\$ -	\$ -	0.120	\$ 50.00	\$ 6.00	\$ 1,209.60	\$ 1,209.60	
34		Backfill	CY	145	5%	152	\$ -	\$ -	0.152	\$ 50.00	\$ 7.60	\$ 1,157.10	\$ 1,157.10	
		Subtotal (Site)						\$ 25,034				\$ 17,183		\$ 42,216
DIVISION 22-Plumbing														
		Pipes												
35		(1" Dia) Copper L Cold Water Pipe	LF	40	5%	42	\$ 6.10	\$ 256.20	0.300	\$ 50.00	\$ 15.00	\$ 630.00	\$ 886.20	
36		(1" Dia) Gas Pipe	LF	205	5%	215	\$ 3.00	\$ 645.75	0.200	\$ 50.00	\$ 10.00	\$ 2,152.50	\$ 2,798.25	
37		(1/2" Dia) Copper L Hot Water Return Pipe	LF	15	5%	16	\$ 3.50	\$ 55.13	0.250	\$ 50.00	\$ 12.50	\$ 196.88	\$ 252.00	

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38		(1-1/2" Dia) Cast Iron/PVC Gas Pipe	LF	85	5%	89	\$ 8.00	\$ 714.00	0.400	\$ 50.00	\$ 20.00	\$ 1,785.00	\$ 2,499.00	
39		(1-1/4" Dia) Cast Iron/PVC Gas Pipe	LF	156	5%	164	\$ 6.00	\$ 982.80	0.350	\$ 50.00	\$ 17.50	\$ 2,866.50	\$ 3,849.30	
40		(2" Dia) Cast Iron/PVC Gas Pipe	LF	35	5%	37	\$ 10.00	\$ 367.50	0.450	\$ 50.00	\$ 22.50	\$ 826.88	\$ 1,194.38	
41		(2" Dia) Cast Iron/PVC Vent Pipe	LF	50	5%	53	\$ 9.00	\$ 472.50	0.400	\$ 50.00	\$ 20.00	\$ 1,050.00	\$ 1,522.50	
42		(3" Dia) Cast Iron/PVC Sanitary Pipe	LF	15	5%	16	\$ 12.00	\$ 189.00	0.500	\$ 50.00	\$ 25.00	\$ 393.75	\$ 582.75	
43		(3" Dia) Cast Iron/PVC Vent Pipe	LF	15	5%	16	\$ 12.00	\$ 189.00	0.450	\$ 50.00	\$ 22.50	\$ 354.38	\$ 543.38	
44		(3/4" Dia) Copper L Cold Water Pipe	LF	240	5%	252	\$ 4.50	\$ 1,134.00	0.250	\$ 50.00	\$ 12.50	\$ 3,150.00	\$ 4,284.00	
45		(3/4" Dia) Copper/PVC Condensate Drain Pipe	LF	80	5%	84	\$ 2.50	\$ 210.00	0.200	\$ 50.00	\$ 10.00	\$ 840.00	\$ 1,050.00	
46		(3/4" Dia) Copper L Hot Water Pipe	LF	15	5%	16	\$ 4.50	\$ 70.88	0.250	\$ 50.00	\$ 12.50	\$ 196.88	\$ 267.75	
47		(4" Dia) Cast Iron/PVC Sanitary Pipe	LF	15	5%	16	\$ 18.00	\$ 283.50	0.600	\$ 50.00	\$ 30.00	\$ 472.50	\$ 756.00	
		Insulation												
48		2" Batt Insulation	LF	75	5%	79	\$ 0.85	\$ 66.94	0.300	\$ 50.00	\$ 15.00	\$ 1,181.25	\$ 1,248.19	
		Plumbing Fixtures												
49		(3/4" Dia) Hose Bibb W/ Stem Lock Manuf: WOODFORD Model: PTMV-50070	EA	2	0%	2	\$ 45.00	\$ 90.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 140.00	
50		(3/4" Dia) Water Hammer Arrester	EA	2	0%	2	\$ 20.00	\$ 40.00	0.250	\$ 50.00	\$ 12.50	\$ 25.00	\$ 65.00	
51		Water Heater (30 Gal) Mnauf: AO SMITH Model: DEL-30	EA	1	0%	1	\$ 2,400.00	\$ 2,400.00	2.500	\$ 50.00	\$ 125.00	\$ 125.00	\$ 2,525.00	
52		Expension Tank (2 Gal) Manuf: AMTROL Model: THERM-X-TROL	EA	1	0%	1	\$ 80.00	\$ 80.00	0.500	\$ 50.00	\$ 25.00	\$ 25.00	\$ 105.00	
53		Water Closet Manuf: AMERICAN STANDARD Model: 751CA.001	EA	1	0%	1	\$ 300.00	\$ 300.00	1.500	\$ 50.00	\$ 75.00	\$ 75.00	\$ 375.00	
54		Lavatory W/ Faucet Manuf: American Standard Model: 0954	EA	1	0%	1	\$ 350.00	\$ 350.00	1.000	\$ 50.00	\$ 50.00	\$ 50.00	\$ 400.00	
55		Mop Sink W/ Faucet Manuf: MUSTEE Model: 63M	EA	1	0%	1	\$ 275.00	\$ 275.00	1.250	\$ 50.00	\$ 62.50	\$ 62.50	\$ 337.50	
56		Drinking Fountain Manuf: ELKAY Model: EZSTL8C	EA	1	0%	1	\$ 450.00	\$ 450.00	1.500	\$ 50.00	\$ 75.00	\$ 75.00	\$ 525.00	
57		Recirculation Pump Manuf: BELL & GOSSET Model: NBF-9U/LW	EA	1	0%	1	\$ 350.00	\$ 350.00	1.500	\$ 50.00	\$ 75.00	\$ 75.00	\$ 425.00	
58		(2" Dia) Wall Cleanout Manuf: JR.SMITH Model: 4530S	EA	2	0%	2	\$ 40.00	\$ 80.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 130.00	
59		(1" Dia) Pressure Reducing Valve	EA	1	0%	1	\$ 200.00	\$ 200.00	1.000	\$ 50.00	\$ 50.00	\$ 50.00	\$ 250.00	
60		(3" Dia) VTR	EA	1	0%	1	\$ 35.00	\$ 35.00	1.000	\$ 50.00	\$ 50.00	\$ 50.00	\$ 85.00	
		Connections												
61		(1" Dia) 90D Bend	EA	11	0%	11	\$ 3.00	\$ 33.00	0.100	\$ 50.00	\$ 5.00	\$ 55.00	\$ 88.00	
62		(1" to 1-1/4" Dia) Tee	EA	1	0%	1	\$ 4.00	\$ 4.00	0.150	\$ 50.00	\$ 7.50	\$ 7.50	\$ 11.50	
63		(1-1/2" Dia) 90D Bend	EA	6	0%	6	\$ 4.00	\$ 24.00	0.100	\$ 50.00	\$ 5.00	\$ 30.00	\$ 54.00	
64		(1" to 1-1/2" Dia) Tee	EA	1	0%	1	\$ 5.00	\$ 5.00	0.150	\$ 50.00	\$ 7.50	\$ 7.50	\$ 12.50	
65		(1" to 1-1/2" to 2" Dia) Tee	EA	1	0%	1	\$ 6.00	\$ 6.00	0.200	\$ 50.00	\$ 10.00	\$ 10.00	\$ 16.00	
66		(2" Dia) Tee	EA	2	0%	2	\$ 6.00	\$ 12.00	0.150	\$ 50.00	\$ 7.50	\$ 15.00	\$ 27.00	
67		(2" Dia) 90D Bend	EA	4	0%	4	\$ 5.00	\$ 20.00	0.100	\$ 50.00	\$ 5.00	\$ 20.00	\$ 40.00	
68		(1-1/2" to 1-1/4" Dia) Tee	EA	1	0%	1	\$ 5.00	\$ 5.00	0.150	\$ 50.00	\$ 7.50	\$ 7.50	\$ 12.50	
69		(1" to 1-1/4" Dia) Tee	EA	1	0%	1	\$ 4.00	\$ 4.00	0.150	\$ 50.00	\$ 7.50	\$ 7.50	\$ 11.50	

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Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
70		(4" Dia) 90D Bend	EA	3	0%	3	\$ 12.00	\$ 36.00	0.200	\$ 50.00	\$ 10.00	\$ 30.00	\$ 66.00	
71		(4" Dia) Tee	EA	1	0%	1	\$ 15.00	\$ 15.00	0.250	\$ 50.00	\$ 12.50	\$ 12.50	\$ 27.50	
72		(3" Dia) Tee	EA	2	0%	2	\$ 10.00	\$ 20.00	0.200	\$ 50.00	\$ 10.00	\$ 20.00	\$ 40.00	
73		(2" Dia) 90D Bend	EA	6	0%	6	\$ 5.00	\$ 30.00	0.100	\$ 50.00	\$ 5.00	\$ 30.00	\$ 60.00	
74		(2" Dia) Tee	EA	3	0%	3	\$ 6.00	\$ 18.00	0.150	\$ 50.00	\$ 7.50	\$ 22.50	\$ 40.50	
75		(3/4" Dia) 90D Bend	EA	2	0%	2	\$ 2.00	\$ 4.00	0.100	\$ 50.00	\$ 5.00	\$ 10.00	\$ 14.00	
		Subtotal (Plumbing)						\$ 10,523				\$ 17,094		\$ 27,617

DIVISION 23-HVAC														
		Ducts												
76		(10" Dia) Duct	LF	56	5%	59	\$ 12.00	\$ 705.60	0.150	\$ 50.00	\$ 7.50	\$ 441.00	\$ 1,146.60	
77		(10" Dia) Flexible Duct	LF	20	5%	21	\$ 4.00	\$ 84.00	0.100	\$ 50.00	\$ 5.00	\$ 105.00	\$ 189.00	
78		(10"x14") Duct	LF	46	5%	48	\$ 13.00	\$ 627.90	0.200	\$ 50.00	\$ 10.00	\$ 483.00	\$ 1,110.90	
79		(16"x14") Duct	LF	16	5%	17	\$ 20.00	\$ 336.00	0.250	\$ 50.00	\$ 12.50	\$ 210.00	\$ 546.00	
80		(20"x14") Duct	LF	50	5%	53	\$ 25.00	\$ 1,312.50	0.300	\$ 50.00	\$ 15.00	\$ 787.50	\$ 2,100.00	
81		(4" Dia) Duct	LF	20	5%	21	\$ 5.00	\$ 105.00	0.100	\$ 50.00	\$ 5.00	\$ 105.00	\$ 210.00	
82		(4" Dia) Flexible Duct	LF	8	5%	8	\$ 3.00	\$ 25.20	0.080	\$ 50.00	\$ 4.00	\$ 33.60	\$ 58.80	
83		(4" Dia) Flue Vent	LF	35	5%	37	\$ 12.00	\$ 441.00	0.200	\$ 50.00	\$ 10.00	\$ 367.50	\$ 808.50	
84		(6" Dia) Duct	LF	20	5%	21	\$ 8.00	\$ 168.00	0.120	\$ 50.00	\$ 6.00	\$ 126.00	\$ 294.00	
85		(6" Dia) Flexible Duct	LF	5	5%	5	\$ 4.00	\$ 21.00	0.080	\$ 50.00	\$ 4.00	\$ 21.00	\$ 42.00	
86		(8" Dia) Duct	LF	5	5%	5	\$ 10.00	\$ 52.50	0.130	\$ 50.00	\$ 6.50	\$ 34.13	\$ 86.63	
87		(8" Dia) Flexible Duct	LF	5	5%	5	\$ 5.00	\$ 26.25	0.100	\$ 50.00	\$ 5.00	\$ 26.25	\$ 52.50	
		HVAC Fixtures												
88	Unit Heater Manuf: REZNOR Model: UDX-75	EA	6	0%	6	\$ 1,800.00	\$ 10,800.00	4.000	\$ 50.00	\$ 200.00	\$ 1,200.00	\$ 12,000.00		
89	Exhaust Fan Manuf: GREENHECK Model: SBCE-3H42-100	EA	5	0%	5	\$ 450.00	\$ 2,250.00	2.000	\$ 50.00	\$ 100.00	\$ 500.00	\$ 2,750.00		
90	Exhaust Fan Manuf: PANASONIC Model: FV-11-15VK	EA	2	0%	2	\$ 200.00	\$ 400.00	1.000	\$ 50.00	\$ 50.00	\$ 100.00	\$ 500.00		
91	(4'x4') Louver Manuf: GREENHECK Model: ESD-435	EA	5	0%	5	\$ 250.00	\$ 1,250.00	1.000	\$ 50.00	\$ 50.00	\$ 250.00	\$ 1,500.00		
92	(4'x4') Louver Manuf: GREENHECK Model: ESD-436	EA	5	0%	5	\$ 250.00	\$ 1,250.00	1.000	\$ 50.00	\$ 50.00	\$ 250.00	\$ 1,500.00		
93	(1'x1') Louver Manuf: GREENHECK Model: ESD-2020	EA	1	0%	1	\$ 80.00	\$ 80.00	0.500	\$ 50.00	\$ 25.00	\$ 25.00	\$ 105.00		
94	(4" Dia) Vent Cap	EA	6	0%	6	\$ 20.00	\$ 120.00	0.250	\$ 50.00	\$ 12.50	\$ 75.00	\$ 195.00		
95	(2'x2') Ceiling Diffusr Manuf: TITUS Model: TMS	EA	12	0%	12	\$ 100.00	\$ 1,200.00	0.500	\$ 50.00	\$ 25.00	\$ 300.00	\$ 1,500.00		
96	(1'x1') Ceiling Diffusr Manuf: TITUS Model: TMS	EA	2	0%	2	\$ 70.00	\$ 140.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 190.00		
97	(2'x2') Return Grille Manuf: TITUS Model: PAR	EA	4	0%	4	\$ 90.00	\$ 360.00	0.500	\$ 50.00	\$ 25.00	\$ 100.00	\$ 460.00		
98	Smoke Detector	EA	2	0%	2	\$ 60.00	\$ 120.00	0.250	\$ 50.00	\$ 12.50	\$ 25.00	\$ 145.00		
99	(10" Dia) Volume Damper	EA	10	0%	10	\$ 90.00	\$ 900.00	0.500	\$ 50.00	\$ 25.00	\$ 250.00	\$ 1,150.00		

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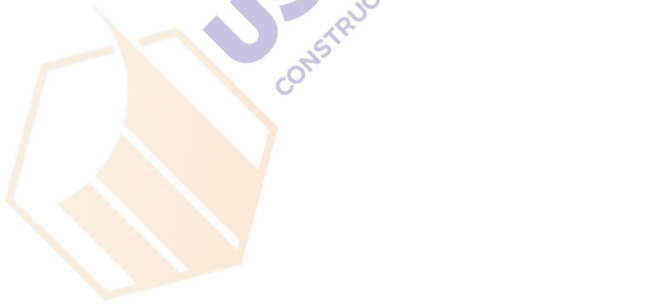
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100		(8" Dia) Volume Damper	EA	1	0%	1	\$ 80.00	\$ 80.00	0.500	\$ 50.00	\$ 25.00	\$ 25.00	\$ 105.00	
101		(4" Dia) Volume Damper	EA	2	0%	2	\$ 60.00	\$ 120.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 170.00	
102		(6" Dia) Volume Damper	EA	1	0%	1	\$ 70.00	\$ 70.00	0.500	\$ 50.00	\$ 25.00	\$ 25.00	\$ 95.00	
103		Roof Top Unit (5 Ton) Manuf: CARRIER Model: 48GCEH06	EA	2	0%	2	\$ 8,200.00	\$ 16,400.00	8.000	\$ 50.00	\$ 400.00	\$ 800.00	\$ 17,200.00	
		Connections												
104		Thermostat	EA	2	0%	2	\$ 300.00	\$ 600.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 650.00	
105		Duct Transition	EA	2	0%	2	\$ 80.00	\$ 160.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 210.00	
106		Elbow W/ Turning Vanes	EA	2	0%	2	\$ 100.00	\$ 200.00	0.750	\$ 50.00	\$ 37.50	\$ 75.00	\$ 275.00	
107		Branch Fitting	EA	12	0%	12	\$ 50.00	\$ 600.00	0.500	\$ 50.00	\$ 25.00	\$ 300.00	\$ 900.00	
		Subtotal (HVAC)						\$ 41,005				\$ 7,240		\$ 48,245
PROJECTED COST													\$ 126,579	
INSURANCE													3%	\$ 3,797.36
CONTINGENCY													5%	\$ 6,328.93
OVERHEAD AND PROFIT													15%	\$ 18,987
TAX													7.00%	\$ 5,359.33
SUGGESTED BID													\$ 161,051	

Note:

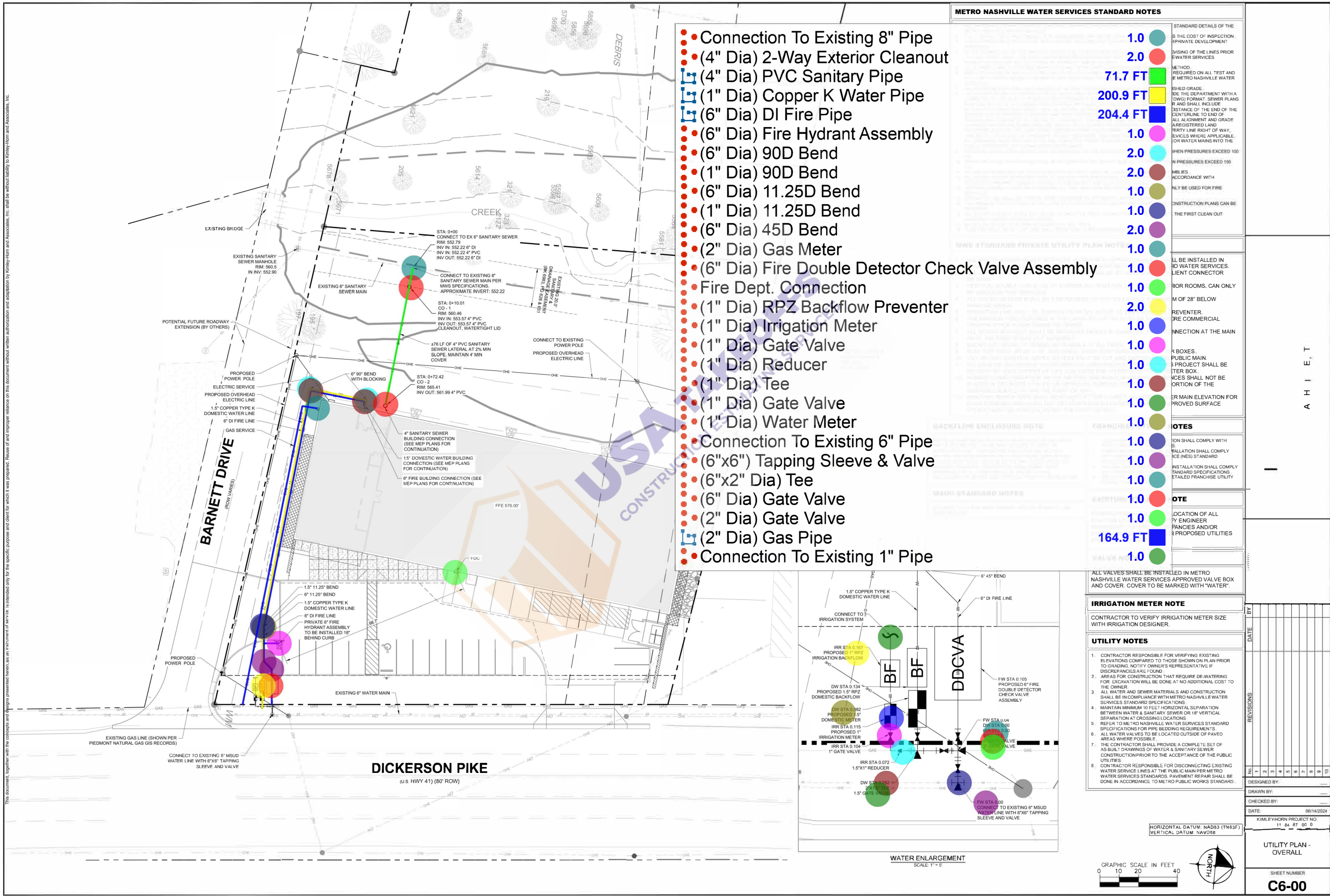
1.Please verify the equipment's and their prices with owner.

2.Online sources are used for pricing.

3.Prices can vary depending upon field conditions.



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METRO NASHVILLE WATER SERVICES STANDARD NOTES

- Connection To Existing 8" Pipe
- (4" Dia) 2-Way Exterior Cleanout
- (4" Dia) PVC Sanitary Pipe
- (1" Dia) Copper K Water Pipe
- (6" Dia) DI Fire Pipe
- (6" Dia) Fire Hydrant Assembly
- (6" Dia) 90D Bend
- (1" Dia) 90D Bend
- (6" Dia) 11.25D Bend
- (1" Dia) 11.25D Bend
- (6" Dia) 45D Bend
- (2" Dia) Gas Meter
- (6" Dia) Fire Double Detector Check Valve Assembly
- Fire Dept. Connection
- (1" Dia) RPZ Backflow Preventer
- (1" Dia) Irrigation Meter
- (1" Dia) Gate Valve
- (1" Dia) Reducer
- (1" Dia) Tee
- (1" Dia) Gate Valve
- (1" Dia) Water Meter
- Connection To Existing 6" Pipe
- (6"x6") Tapping Sleeve & Valve
- (6"x2" Dia) Tee
- (6" Dia) Gate Valve
- (2" Dia) Gate Valve
- (2" Dia) Gas Pipe
- Connection To Existing 1" Pipe

1.0	STANDARD DETAILS OF THE
2.0	IS THE COST OF INSPECTION,
71.7 FT	PRIVACY OF THE LINES PRIOR
200.9 FT	TO WATER SERVICES
204.4 FT	METHOD REQUIRED ON ALL TEST AND
1.0	THE METRO NASHVILLE WATER
2.0	ISHED GRADE.
1.0	IDE THE DEPARTMENT WITH A
2.0	(DWG) FORMAT, SEWER PLANS
1.0	R AND SHALL INCLUDE
2.0	DISTANCE OF THE END OF THE
1.0	CENTERLINE TO END OF
2.0	ALL ALIGNMENT AND GRADE
1.0	(REGISTERED LAND
2.0	ERTY LINE RIGHT OF WAY,
1.0	VICES WHERE APPLICABLE
2.0	OR WATER MAINS INTO THE
1.0	N PRESSURES EXCEED 100
2.0	WHEN PRESSURES EXCEED 150
1.0	MBLIES
2.0	ACCORDANCE WITH
1.0	ONLY BE USED FOR FIRE
2.0	ONSTRUCTION PLANS CAN BE
1.0	THE FIRST CLEAN OUT
2.0	
1.0	ILL BE INSTALLED IN
2.0	TO WATER SERVICES.
1.0	IENT CONNECTOR
2.0	ROR ROOMS, CAN ONLY
1.0	M OF 28" BELOW
2.0	REVENTER.
1.0	RE COMMERCIAL
2.0	NECTION AT THE MAIN
1.0	X BOXES.
2.0	PUBLIC MAIN
1.0	S PROJECT SHALL BE
2.0	TER BOX.
1.0	NES SHALL NOT BE
2.0	ORTION OF THE
1.0	ER MAIN ELEVATION FOR
2.0	PROVED SURFACE
1.0	OTES
2.0	ION SHALL COMPLY WITH
1.0	ALLIATION SHALL COMPLY
2.0	ICE (NES) STANDARD
1.0	INSTALLATION SHALL COMPLY
2.0	STANDARD SPECIFICATIONS
1.0	ETAILED FRANCHISE UTILITY
2.0	
1.0	OTE
2.0	LOCATION OF ALL
1.0	Y ENGINEER
2.0	PANCIES AND/OR
1.0	R PROPOSED UTILITIES
2.0	
1.0	VALVE
2.0	

ALL VALVES SHALL BE INSTALLED IN METRO NASHVILLE WATER SERVICES APPROVED VALVE BOX AND COVER. COVER TO BE MARKED WITH "WATER".

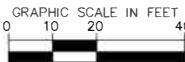
IRRIGATION METER NOTE

CONTRACTOR TO VERIFY IRRIGATION METER SIZE WITH IRRIGATION DESIGNER.

UTILITY NOTES

- CONTRACTOR RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS COMPARED TO THOSE SHOWN ON PLAN PRIOR TO GRADING. NOTIFY OWNER'S REPRESENTATIVE IF DISCREPANCIES ARE FOUND.
- AREAS FOR CONSTRUCTION THAT REQUIRE DE-WATERING FOR EXCAVATION WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- ALL WATER AND SEWER MATERIALS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH METRO NASHVILLE WATER SERVICES STANDARD SPECIFICATIONS.
- MAINTAIN MINIMUM 10 FEET HORIZONTAL SEPARATION BETWEEN WATER & SANITARY SEWER OR 18" VERTICAL SEPARATION AT CROSSING LOCATIONS.
- REFER TO METRO NASHVILLE WATER SERVICES STANDARD SPECIFICATIONS FOR PIPE BEDDING REQUIREMENTS.
- ALL WATER VALVES TO BE LOCATED OUTSIDE OF PAVED AREAS WHERE POSSIBLE.
- THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS BUILT DRAWINGS OF WATER & SANITARY SEWER CONSTRUCTION PRIOR TO THE ACCEPTANCE OF THE PUBLIC UTILITIES.
- CONTRACTOR RESPONSIBLE FOR DISCONNECTING EXISTING WATER SERVICE LINES AT THE PUBLIC MAIN PER METRO WATER SERVICES STANDARDS. PAVEMENT REPAIR SHALL BE DONE IN ACCORDANCE TO METRO PUBLIC WORKS STANDARD.

HORIZONTAL DATUM: NAD83 (TN83F)
VERTICAL DATUM: NAVD88



A H I E T	
UTILITY PLAN - OVERALL	
SHEET NUMBER	
C6-00	



MECHANICAL FLOOR PLAN

3/32" = 1'-0"



MECHANICAL ROOF PLAN

3/32" = 1'-0"

MECHANICAL PLAN NOTES:

- (4" Dia) Flue Vent
- (10"x14") Duct
- (10" Dia) Duct
- (16"x14") Duct
- (10" Dia) Flexible Duct
- (20"x14") Duct
- (4" Dia) Duct
- (6" Dia) Duct
- (8" Dia) Duct
- (20"x14") Duct
- (4" Dia) Flexible Duct
- (6" Dia) Flexible Duct
- 8" Dia) Flexible Duct
- Unit Heater
- Exhaust Fan
- Exhaust Fan
- (4'x4') Louver
- (1'x1') Louver
- (4'x4') Louver
- (4" Dia) Vent Cap
- (2'x2') Ceiling Diffusr
- (1'x1') Ceiling Diffusr
- (2'x2') Return Grille
- Smoke Detector
- (10" Dia) Volume Damper
- (8" Dia) Volume Damper
- (4" Dia) Volume Damper
- (6" Dia) Volume Damper
- Duct Transition
- Elbow W/ Turning Vanes
- Branch Fitting
- Roof Top Unit (5 Ton)
- Thermostat

Project Name:

33.9 FT

45.1 FT

55.1 FT

15.4 FT

18.6 FT

27.7 FT

18.9 FT

19.6 FT

4.2 FT

2.0

5.6 FT

4.8 FT

2.4 FT

6.0

5.0

2.0

5.0

1.0

5.0

6.0

12.0

2.0

4.0

2.0

10.0

1.0

2.0

1.0

2.0

2.0

2.0

2.0

12.0

2.0

2.0

Date

07/04/2024

Date

MECHANICAL PLANS

PLAN NORTH Project No. Sheet No.

Drawn Ckd
Author BSS M-100

