

UPPER CLEAR CREEK

VALVE SCHEDULE

Run Set: 1-20

Water Source 1

Description: New Water Source
Type: Meter
Static Pressure: 65 (psi)
Service Line: 0 (psi)
Meter Loss: 5.139 (psi)

Mean System

Static Pressure: 65 (psi)
Service Line Loss: 0 (psi)
Meter Loss: 5.139 (psi)
Backflow Loss: 6.5 (psi)
Master Valve Loss: 0 (psi)
Filter Loss: 0 (psi)

Zone 1-20 @ 29.6 (GPM)

Mainline Loss: 2.29 (psi)
Valve Loss: 1.87 (psi)
Filter Loss: 0 (psi)
Lateral Loss: 2.78 (psi)
Elevation: 0 (psi)
Sprinkler Requirement: 45 (psi)

Total Design Pressure: 63.58 (psi)
Residual Pressure: 1.42 (psi)

Run Set: 1-12

Water Source 1

Description: New Water Source
Type: Meter
Static Pressure: 65 (psi)
Service Line: 0 (psi)
Meter Loss: 5.139 (psi)

Mean System

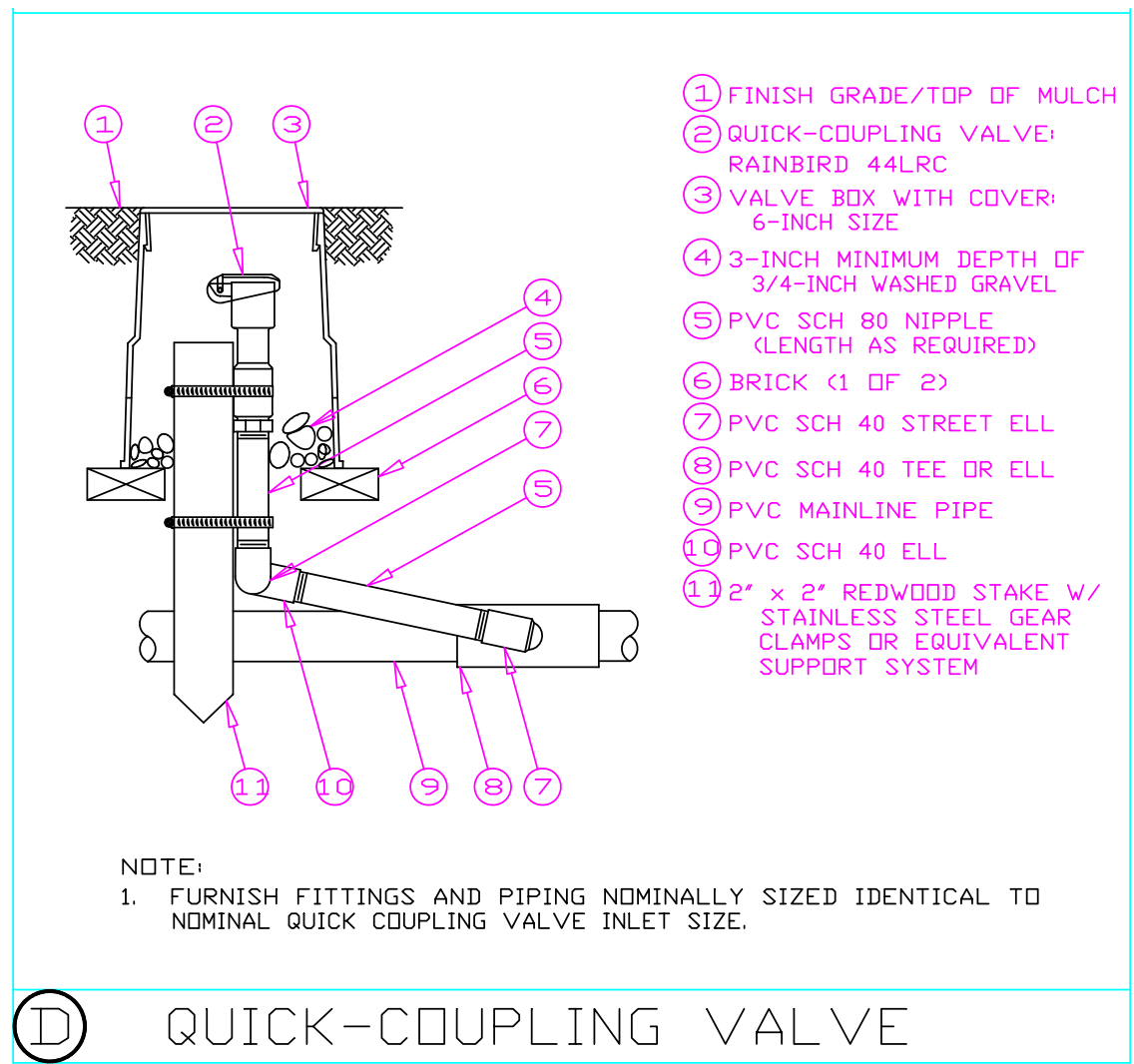
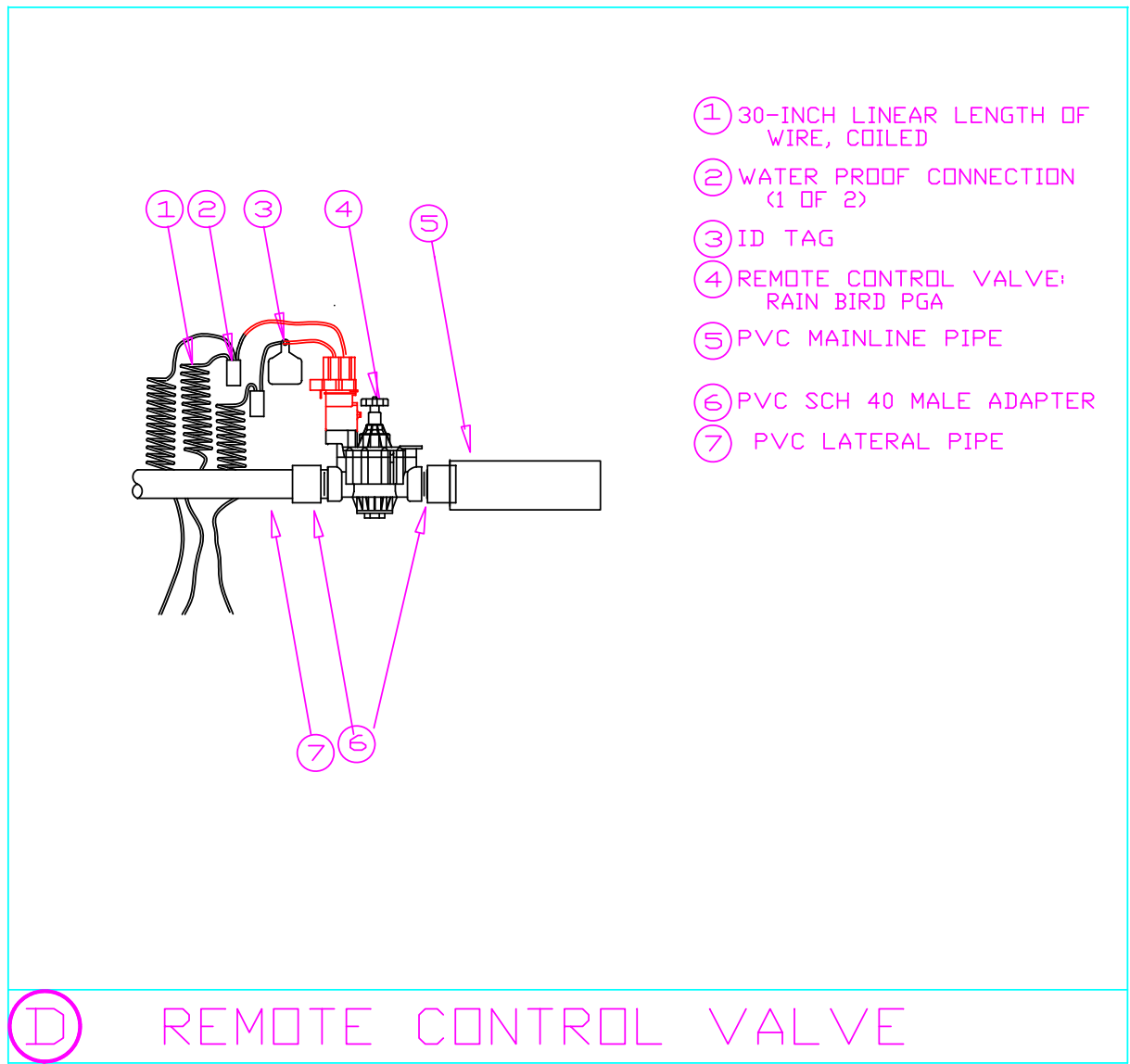
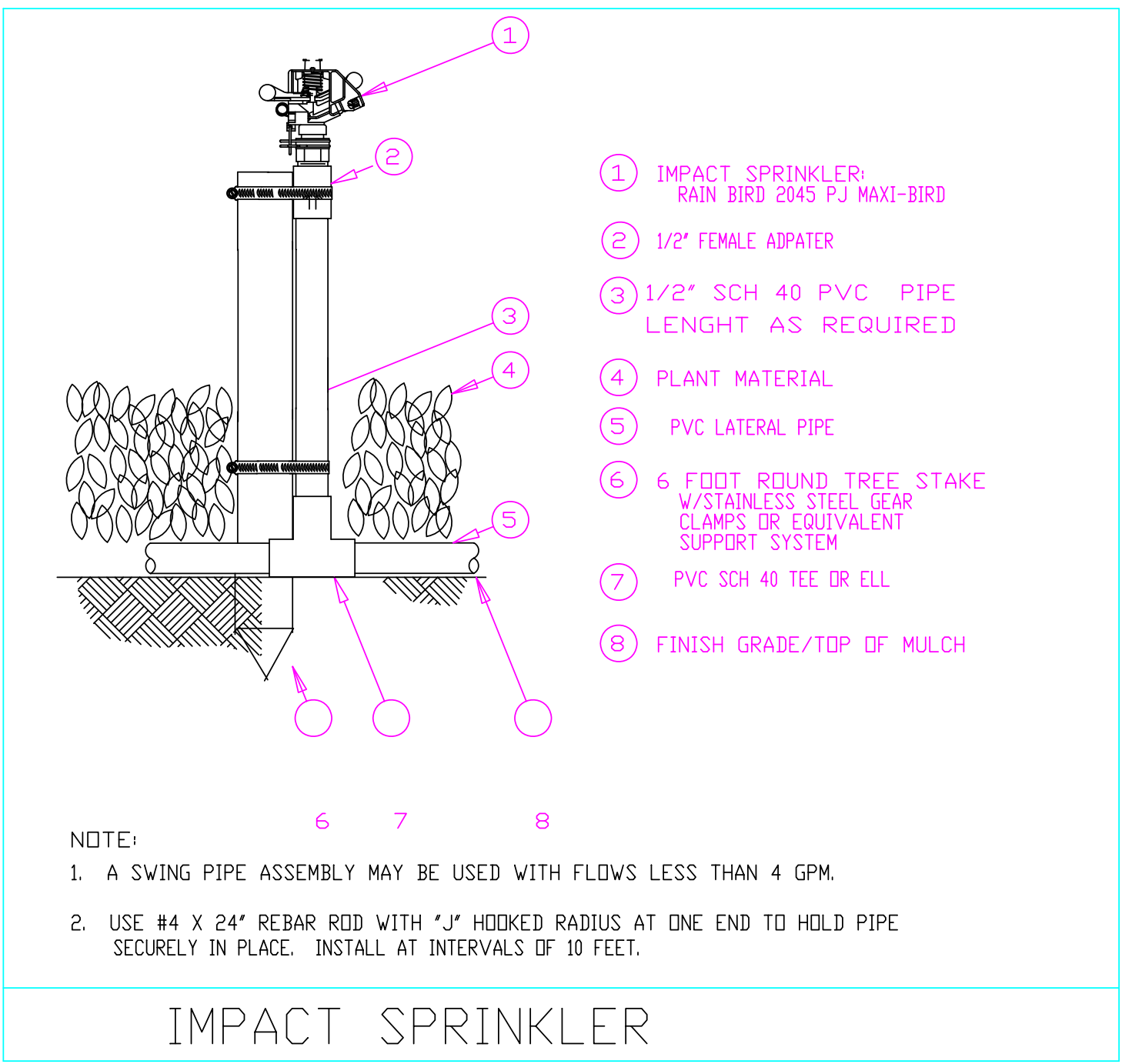
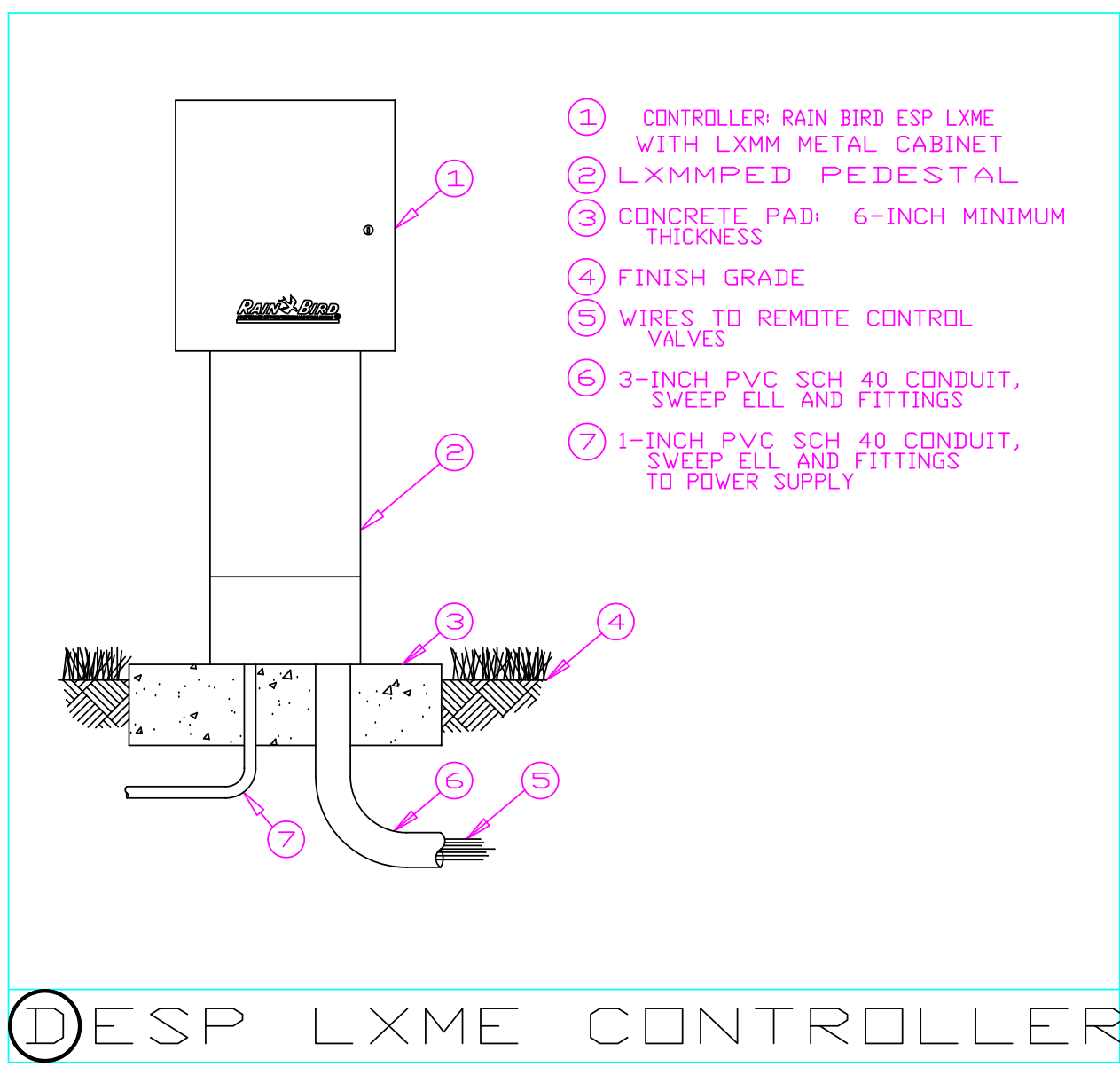
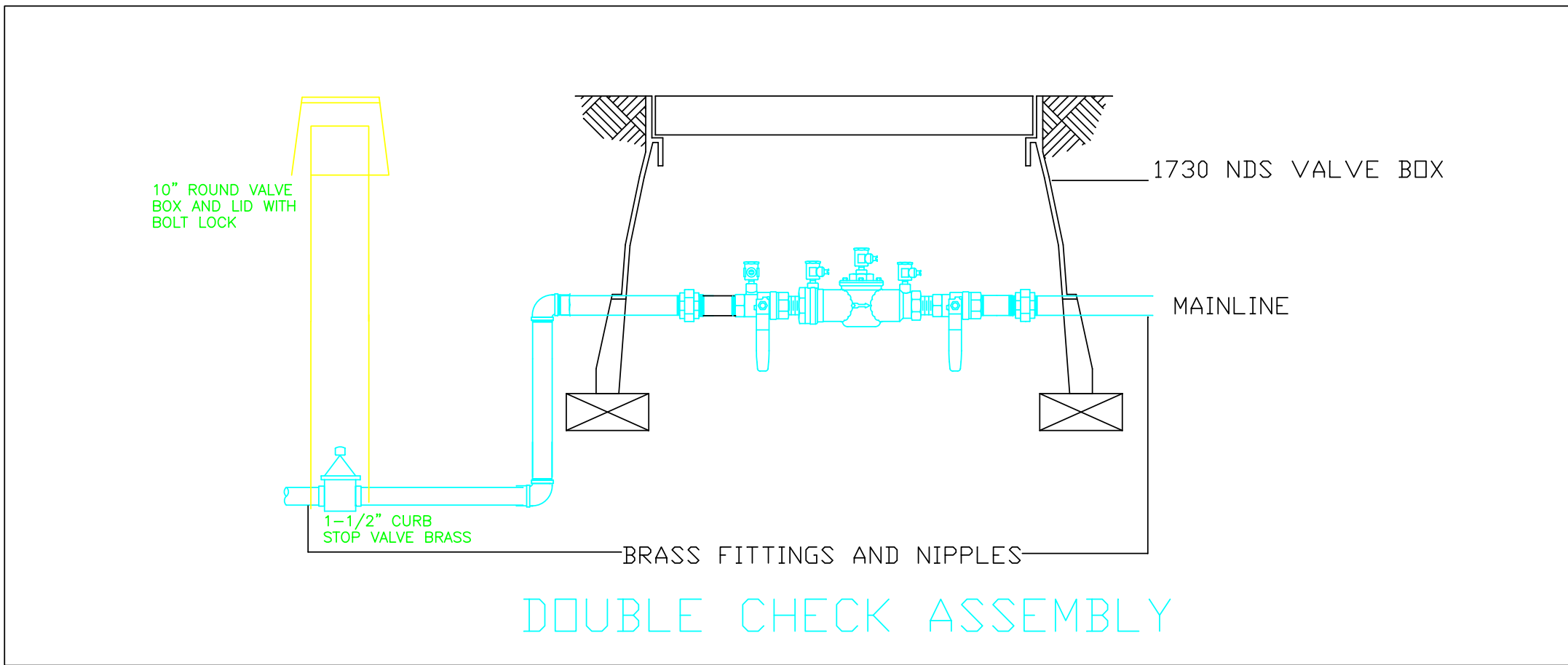
Static Pressure: 65 (psi)
Service Line Loss: 0 (psi)
Meter Loss: 5.139 (psi)
Backflow Loss: 6.5 (psi)
Master Valve Loss: 0 (psi)
Filter Loss: 0 (psi)

Zone 1-12 @ 29.6 (GPM)

Mainline Loss: 5.04 (psi)
Valve Loss: 1.87 (psi)
Filter Loss: 0 (psi)
Lateral Loss: 2.86 (psi)
Elevation: 0 (psi)
Sprinkler Requirement: 45 (psi)

Total Design Pressure: 66.41 (psi)
Residual Pressure: -1.41 (psi)

ZONE #	VALVE SIZE	GPM
1	1-1/2	29.6
2	1-1/2	29.6
3	1-1/2	29.6
4	1-1/2	29.6
5	1-1/2	29.6
6	1-1/2	29.6
7	1-1/2	29.6
8	1-1/2	29.6
9	1-1/2	29.6
10	1-1/2	22.2
11	1-1/2	29.6
12	1-1/2	29.6
13	1-1/2	29.6
14	1-1/2	22.2
15	1-1/2	29.6
16	1-1/2	29.6
17	1-1/2	29.6
18	1-1/2	29.6
19	1-1/2	29.6
20	1-1/2	29.6
21	1-1/2	29.6
22	1-1/2	29.6
23	1-1/2	29.6
24	1-1/2	29.6
25	1-1/2	25.9
26	1-1/2	29.6
27	1-1/2	29.6
28	1-1/2	29.6
29	1-1/2	22.2



Irrigation

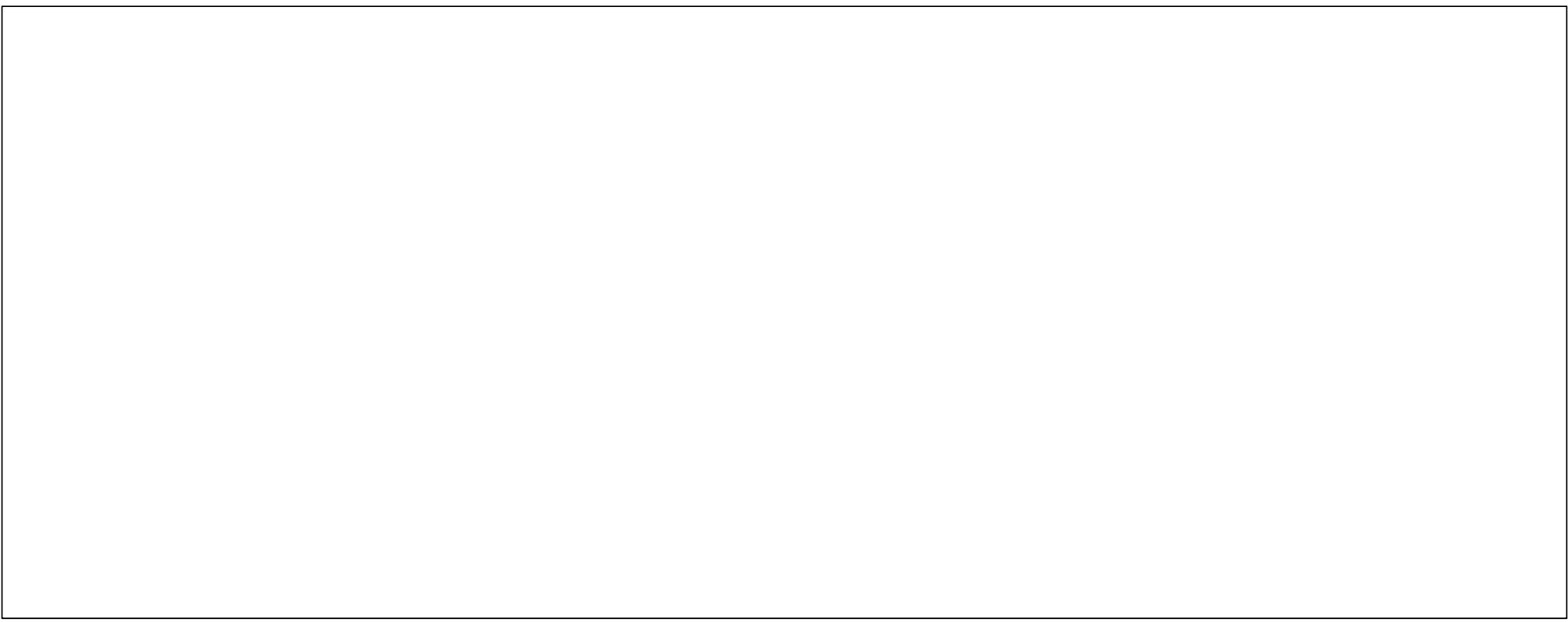
Qty	Symbol	Description	Part #	Pressure	Flow	Radius
225	●	Rain Bird Maxi-Bird 08 F - 2045-PJ	08	45	3.7	40
1	●	Wilkins 950XL - 1 1/2"	950XL - 1 1/2"			
29	●	Rain Bird 150-PGA Globe	150-PGA			
1	●	Rain Bird 44LRC	44LRC			
1	▲	Rain Bird ESP-LXME				
1	■	Rain Bird LXMM PEDESTAL				
1	■	Rain Bird LXMM WALL MOUNT CASE				
1	■	1 inch meter				
1600.47 (ft)	—	Lateral - Class 200 1 1/2"				
2580.42 (ft)	—	Lateral - Class 200 1 1/4"				
3016.72 (ft)	—	Lateral - Class 200 1"				
1906.2 (ft)	—	Lateral - Class 200 2"				
3542.79 (ft)	—	Lateral - Class 200 3/4"				
3460.11 (ft)	---	Mainline - Schedule 40 2 1/2"				

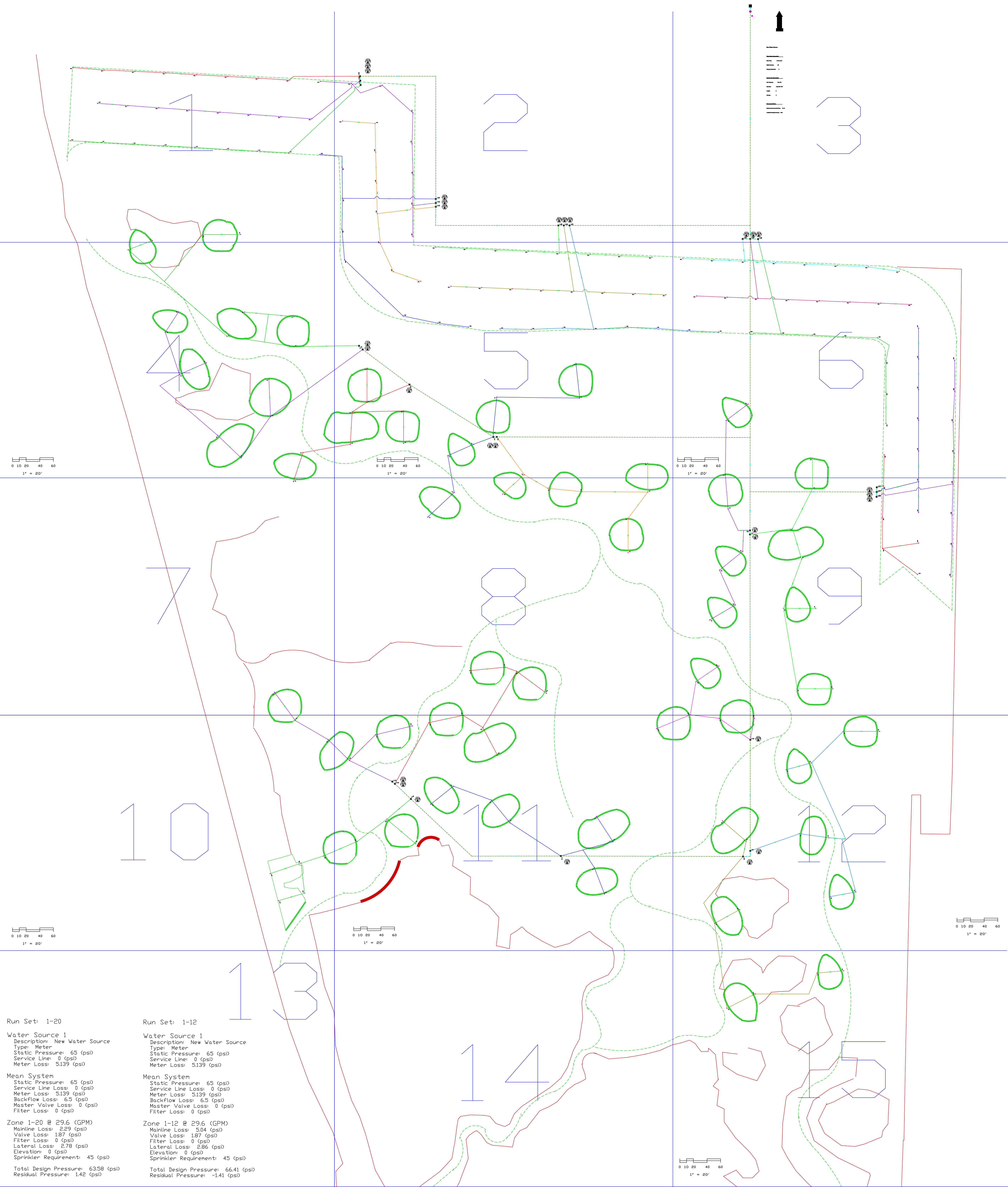
CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-424-5555
UTILITIES UNDERGROUND LOCATION CENTER

REVISIONS:	DATE: 05/19/2015	JOB #: 20122959530	DRAWN BY: DEC	CHECKED BY:	SCALE:	SHEET:
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PROJECT:
UPPER CLEAR CREEK

SHEET DESCRIPTION:
IRRIGATION DESIGN
DETAIL SHEET





Run Set: 1-20

Water Source 1
Description: New Water Source
Type: Meter
Static Pressure: 65 (psi)
Service Line: 0 (psi)
Meter Loss: 5.139 (psi)

Mean System
Static Pressure: 65 (psi)
Service Line Loss: 0 (psi)
Meter Loss: 5.139 (psi)
Backflow Loss: 6.5 (psi)
Master Valve Loss: 0 (psi)
Filter Loss: 0 (psi)

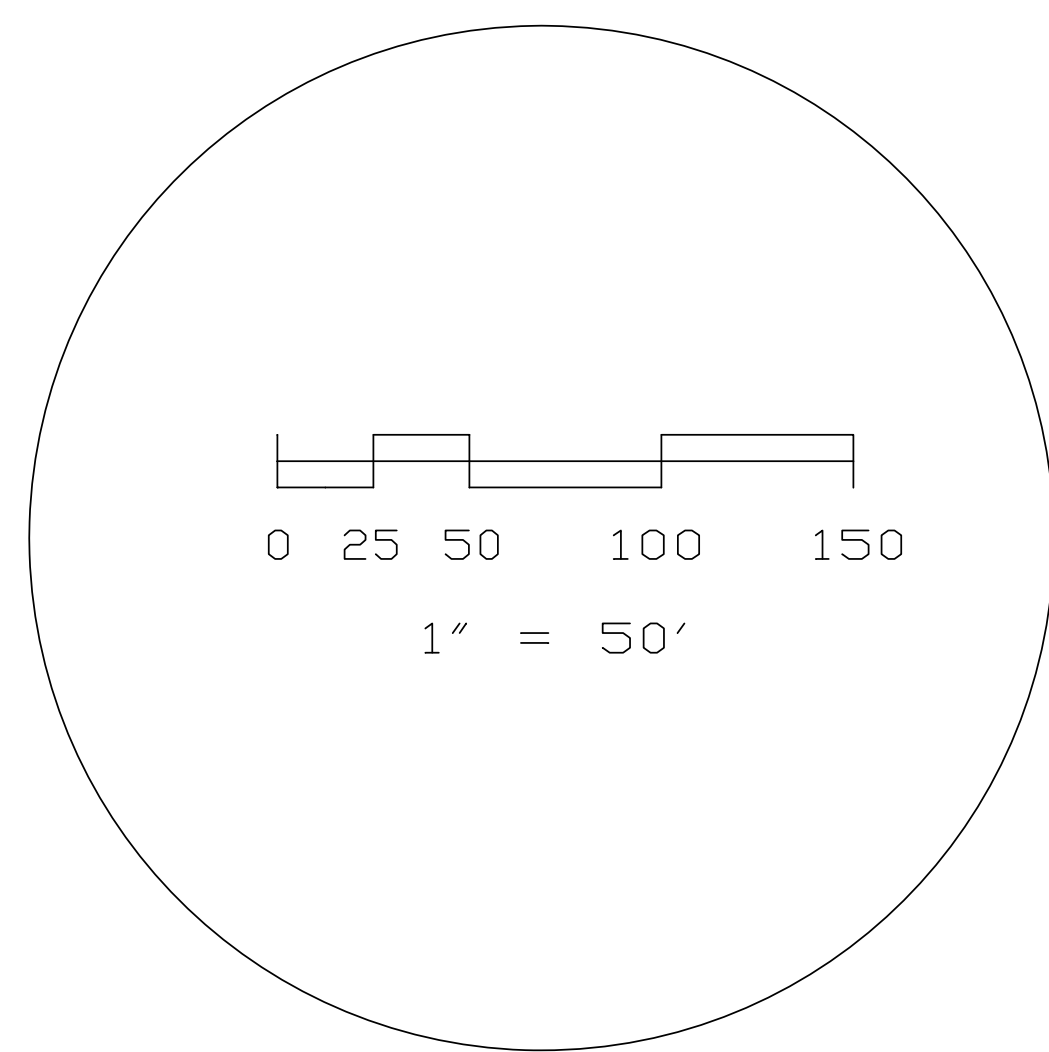
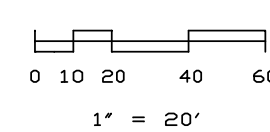
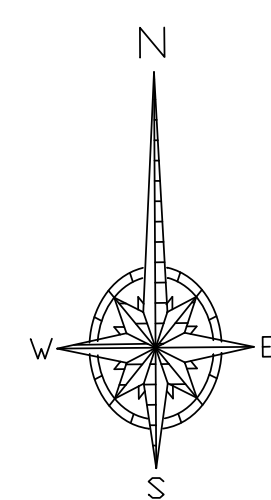
Zone 1-20 @ 29.6 (GPM)
Mainline Loss: 2.29 (psi)
Valve Loss: 187 (psi)
Filter Loss: 0 (psi)
Lateral Loss: 2.78 (psi)
Elevation: 0 (psi)
Sprinkler Requirement: 45 (psi)
Total Design Pressure: 63.58 (psi)
Residual Pressure: 1.42 (psi)

Run Set: 1-12

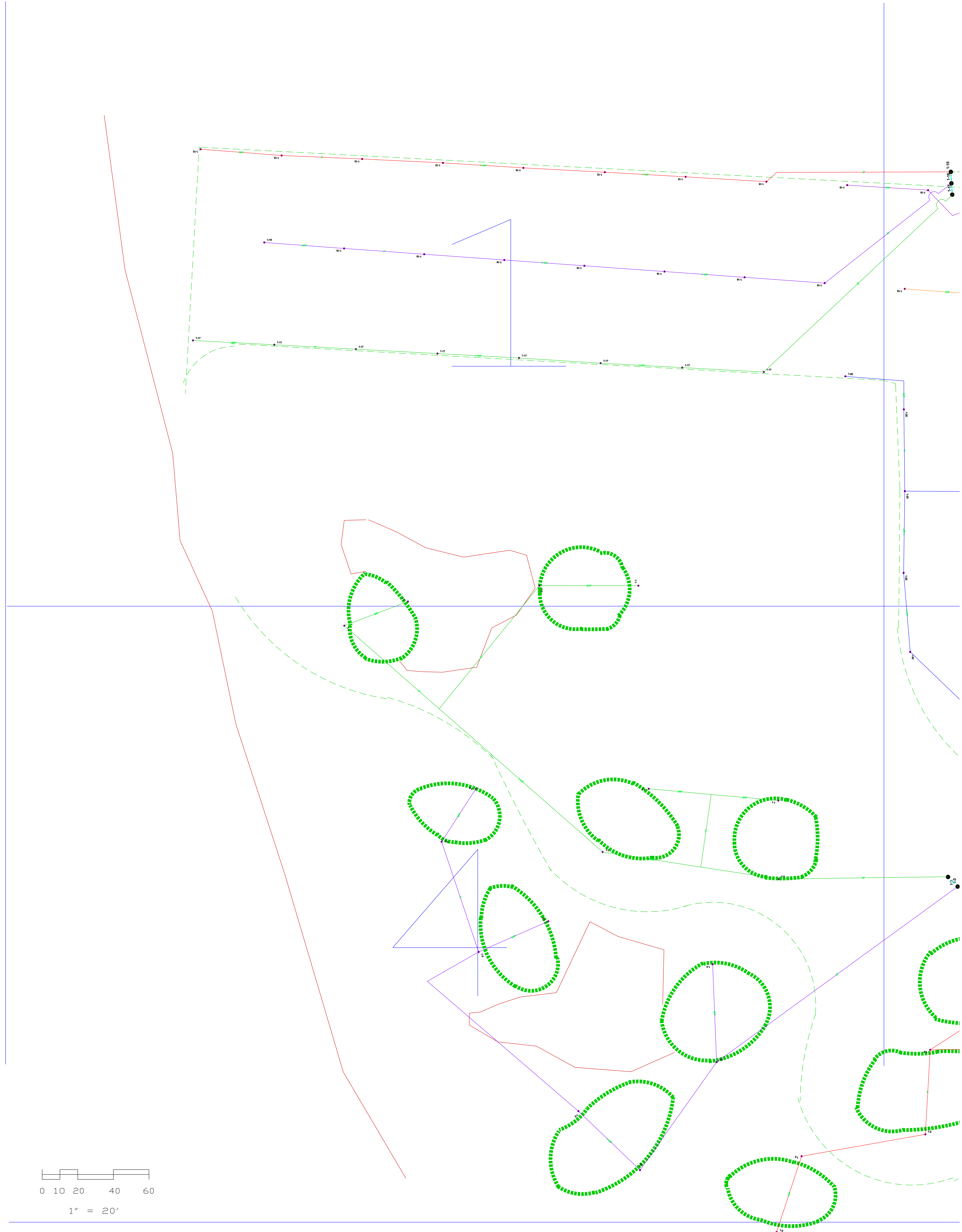
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Backflow Loss: 6.5 (psi)
Master Valve Loss: 0 (psi)
Filter Loss: 0 (psi)

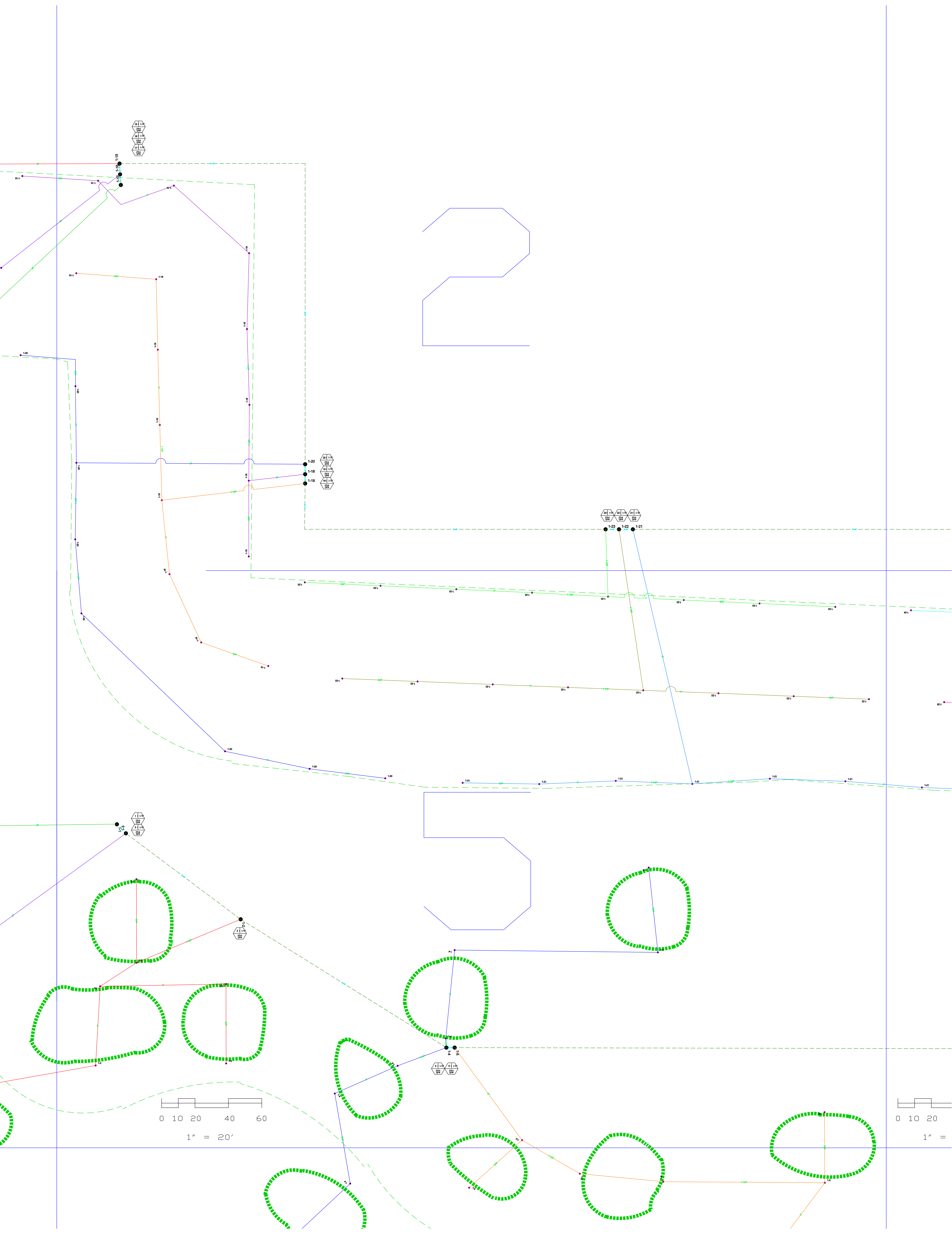
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Filter Loss: 0 (psi)
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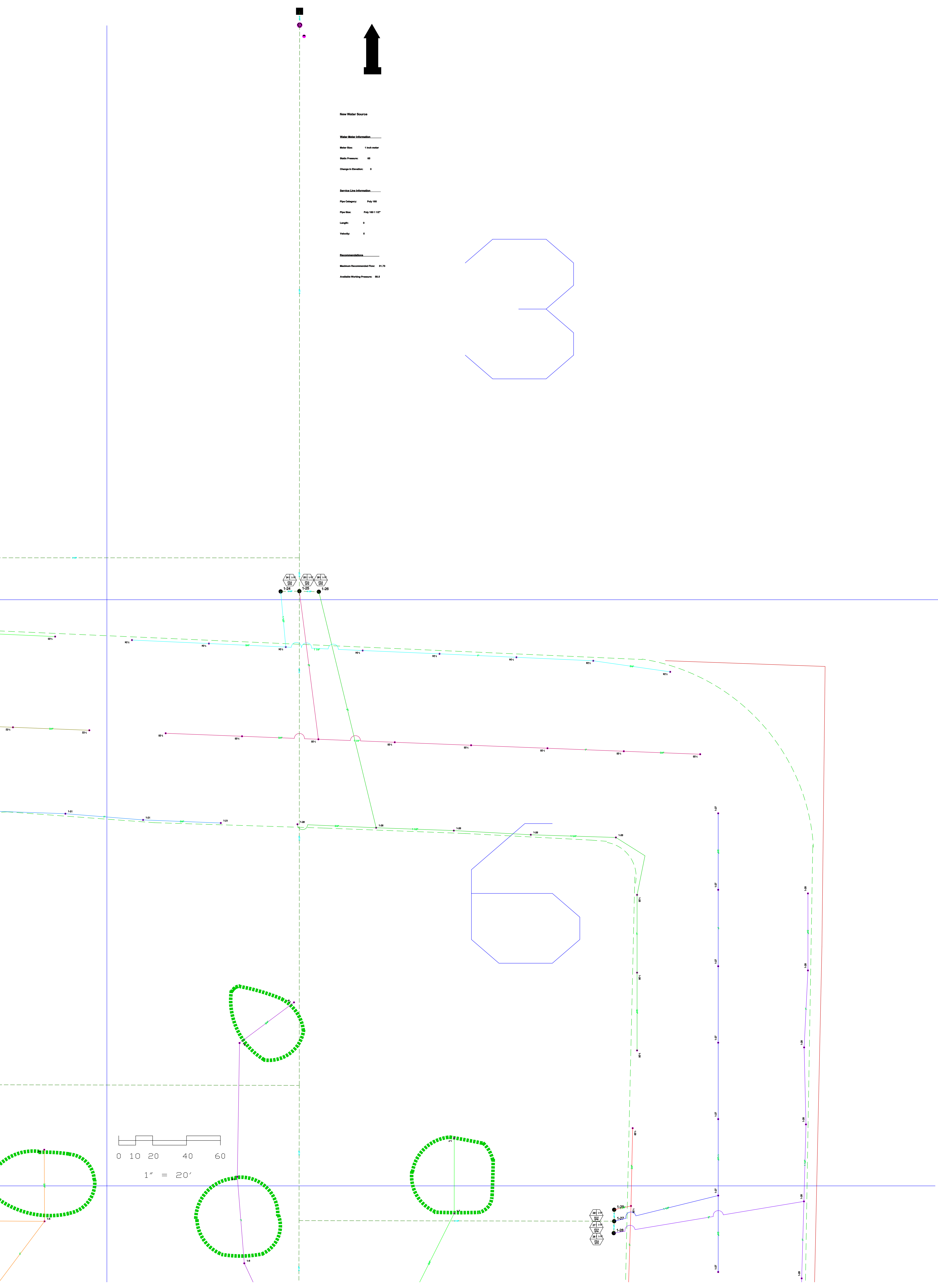


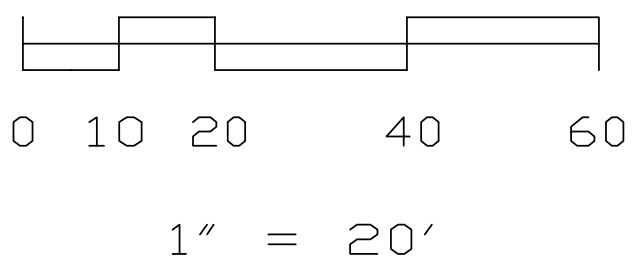
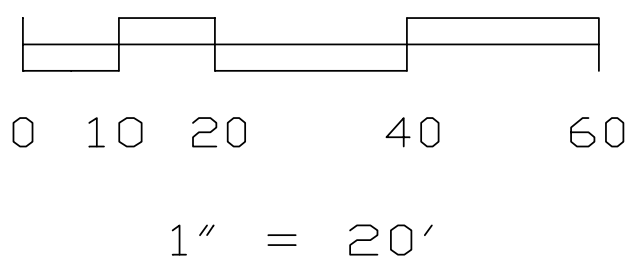
Zone	Run Set	Water Source	Type	Static Pressure (psi)	Service Line (psi)	Meter Loss (psi)	Backflow Loss (psi)	Master Valve Loss (psi)	Filter Loss (psi)	Mainline Loss (psi)	Valve Loss (psi)	Filter Loss (psi)	Lateral Loss (psi)	Elevation (psi)	Sprinkler Requirement (psi)	Total Design Pressure (psi)	Residual Pressure (psi)
1	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
2	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
3	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
4	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
5	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
6	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
7	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
8	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
9	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
10	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
11	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
12	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
13	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
14	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
15	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
16	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42
17	1-20	1	Meter	65	0	5.139	6.5	0	0	2.29	187	0	2.78	0	45	63.58	1.42



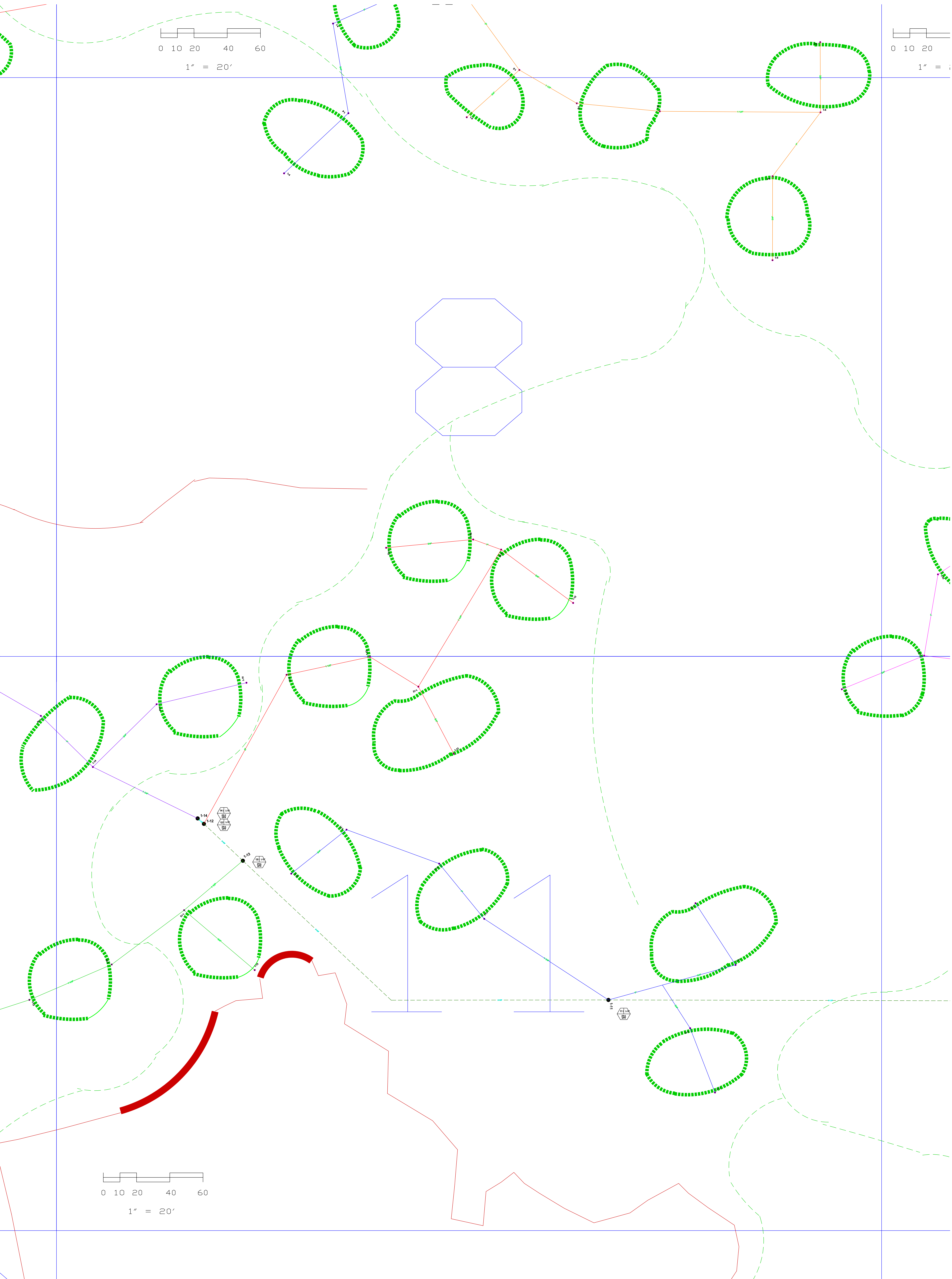
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1" = 20'

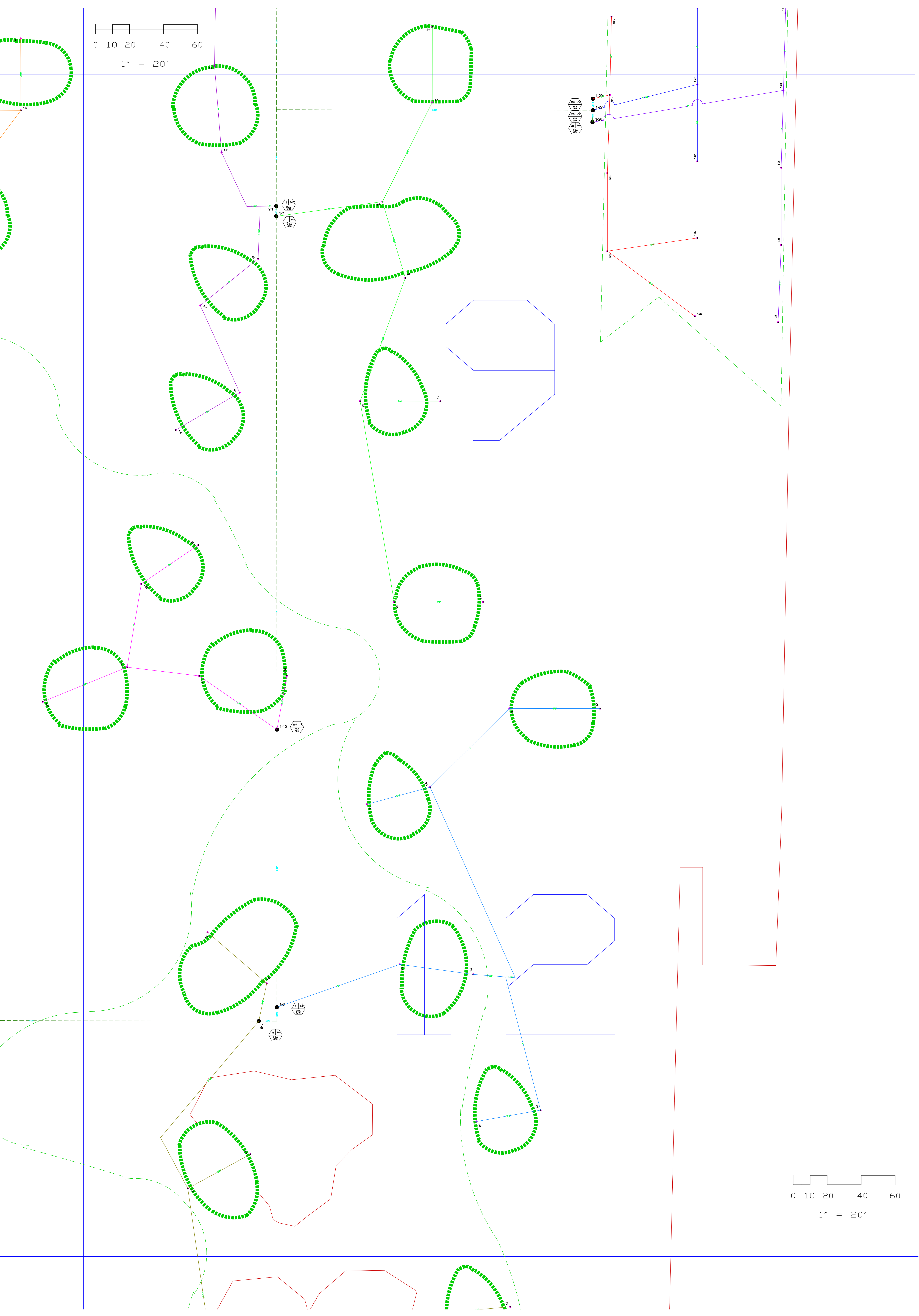


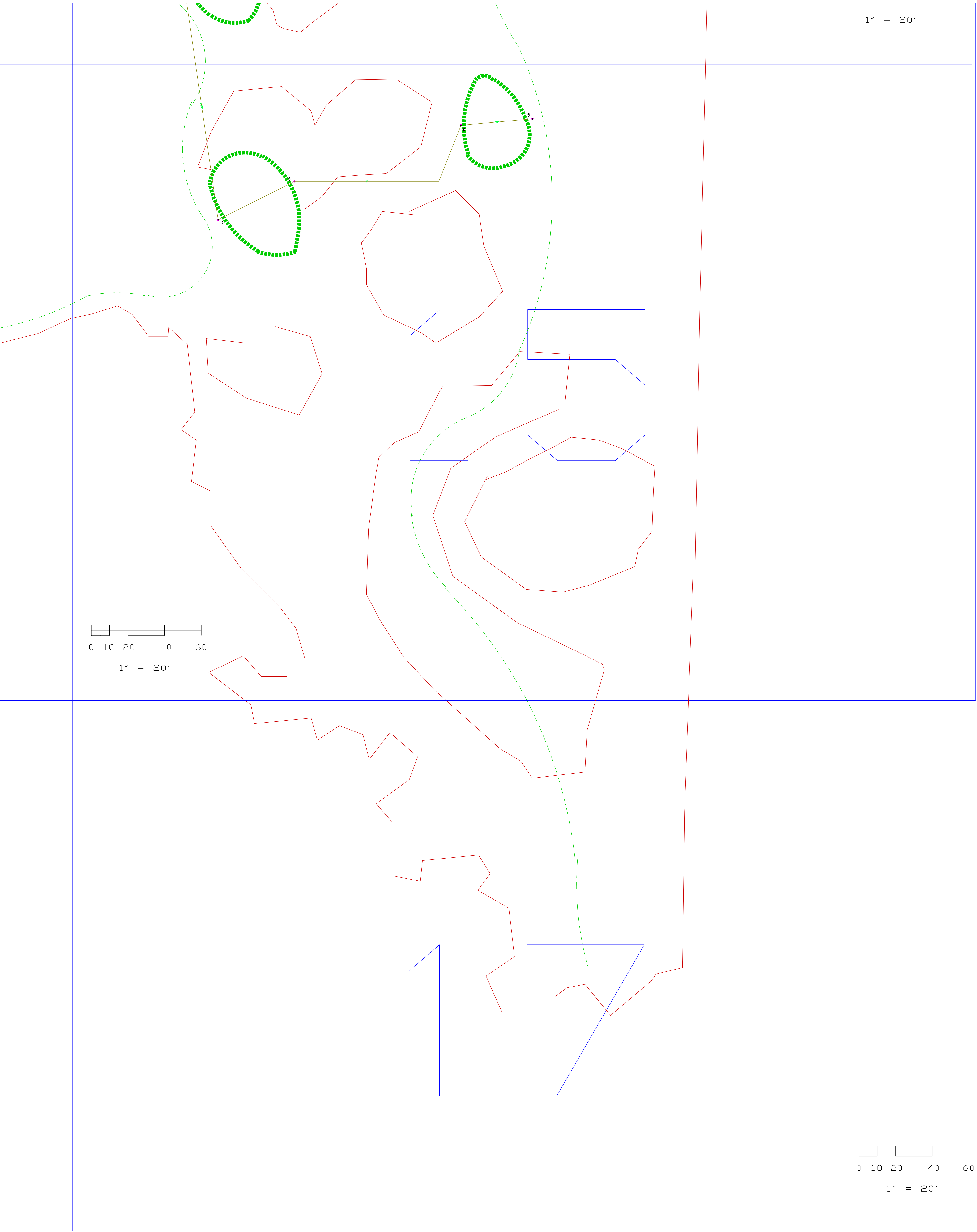




0 1







1" = 20'

0 10 20 40 60
1" = 20'