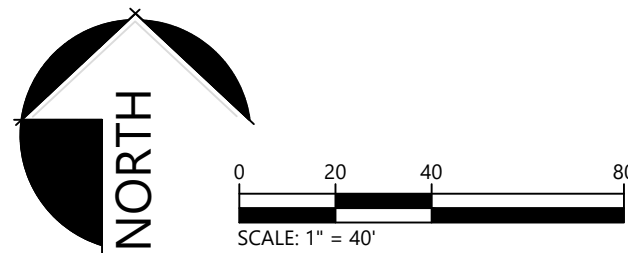


LOCATION
OF PROJECT

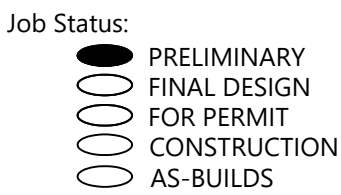
SHEET INDEX:

- IR-1 Irrigation Plan
Consisting of an overall 1"=40' scale irrigation plan
- IR-2 Irrigation Main Line And Sleeving Plan
Consisting of a 1"=40' scale irrigation main line and sleeving plan
- IR-3 North Irrigation Plan
Consisting of a 1"=20' scale north area irrigation plan (see match line)
- IR-4 South Irrigation Plan
Consisting of a 1"=20' scale south area irrigation plan (see match line)
- IR-5 Notes And Schedules
Consisting of irrigation notes, valve schedule, watering schedule, critical analysis, and irrigation schedule (legend),
- IR-6 Details
Consisting of basic sprinkler and valve installation details
- IR-7 Details
Consisting of basic dripline installation details



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Job Status:
B.G.V.

Designed By:
B.G.V.

Checked By:
M.S.

Design Date:
10-20-21

Drawing Number:
2021-0060

File Name:
2021-0060.DWG

Drawing Scale:
1"=40'

SHEET TITLE:
Irrigation Plan

Sheet No.
IR-1

Sheet:
1 OF 7



CALL 2 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

Project Title:

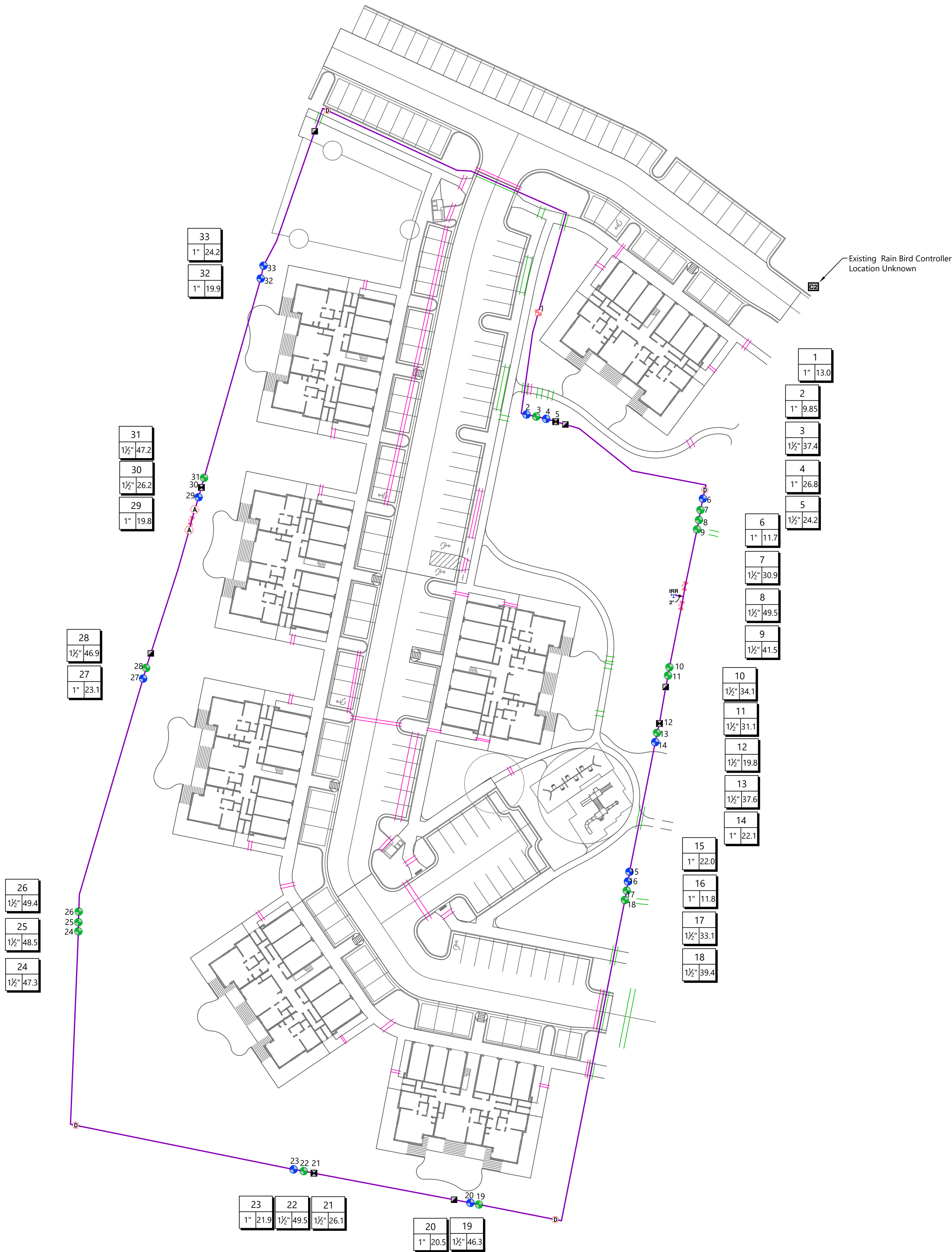
Grand Junction
Pipe & Supply
Main Branch
2868 I-70 Bus. Loop
Grand Jct, CO 81501
(970) 243-4604



HAYMEADOW-RMF-1
EAGLE, COLORADO

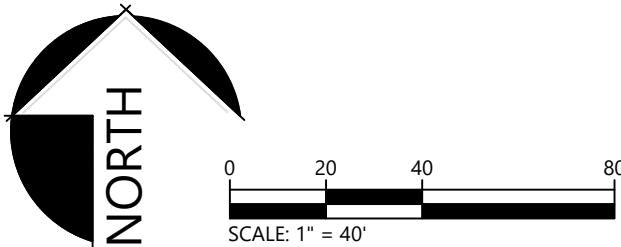
Date Revisions: Designer

Notes



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY
	Rain Bird PESB 1-1/2"	17
	Rain Bird PESB 1"	15
	Rain Bird 44-LRC 1"	5
	Shut Off Valve	3
	2" Air Relief Valve	2
	Drain Valve	4
	Rain Bird ESP-LXD-LXMMSS w/ (2) ESPLXD-SM75	1
	Point of Connection 2"	1
	Irrigation Mainline: PVC Schedule 40 2"	1,900 l.f.
	Pipe Sleeve: PVC Schedule 40 4"	500 l.f.
	Pipe Sleeve: PVC Schedule 40 2"	700 l.f.
	Valve Callout	
	Valve Number	
	Valve Flow	
	Valve Size	



NOT FOR CONSTRUCTION

Revisions:
Date Notes Designer

Project Title:

HAYMEADOW-RMF-1

EAGLE, COLORADO

Grand Junction
Pipe & Supply

Logo

MAIN BRANCH
2868 1-70 BUS. LOOP
GRAND JCT. CO 81501
(970) 243-4604

Job Status:

PRELIMINARY

FINAL DESIGN

FOR PERMIT

CONSTRUCTION

AS-BUILDS

Drawn By:

B.G.V.

Designed By:

B.G.V.

Checked By:

M.S.

Design Date:

10-20-21

Drawing Number:

2021-0060

File Name:

2021-0060.DWG

Drawing Scale:

1" = 40'

SHEET TITLE:

Irrigation Mainline
& Sleeve Plan

Sheet No.

IR-2

Sheet:

2 OF 7

CALL 2 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

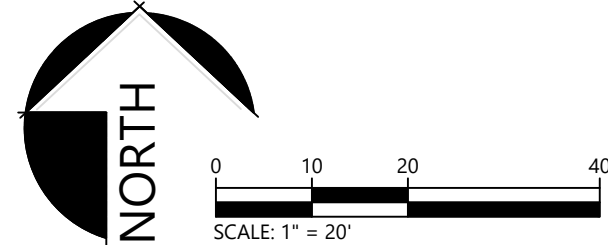
COLORADO 811

800-4-A-DAVE

28	1 1/2"	46.9
27	1"	23.1

31	1 1/2"	47.2
30	1 1/2"	26.2
29	1"	19.8

33	1"	24.2
32	1"	19.9



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Date	Revisions:	Designer
	Notes	
HAYMEADOW-RMF-1		
EAGLE, COLORADO		
Project Title:		
Grand Junction		
Pipe & Supply		
Main Branch:		
2868 J-70 Bus. Loop		
Grand Jct, CO 81501		
(970) 243-4604		
Job Status:		
PRELIMINARY		
FINAL		
FOR PERMIT		
CONSTRUCTION		
AS-BUILDS		
Drawn By:		
B.G.V.		
Designed By:		
B.G.V.		
Checked By:		
M.S.		
Design Date:		
10-20-21		
Drawing Number:		
2021-0060		
File Name:		
2021-0060.DWG		
Drawing Scale:		
1"=20'		
SHEET TITLE:		
North		
Irrigation Plan		
Sheet No.		
IR-3		
Sheet:		
3 OF 7		
CALL 2 BUSINESS DAYS IN ADVANCE		
BEFORE YOU DIG, GRADE OR EXCAVATE		
FOR THE MARKING OF UNDERGROUND		
MEMBER UTILITIES		

26	1 1/2"	49.4
25	1 1/2"	48.5
24	1 1/2"	47.3

28	1 1/2"	46.9
27	1"	23.1

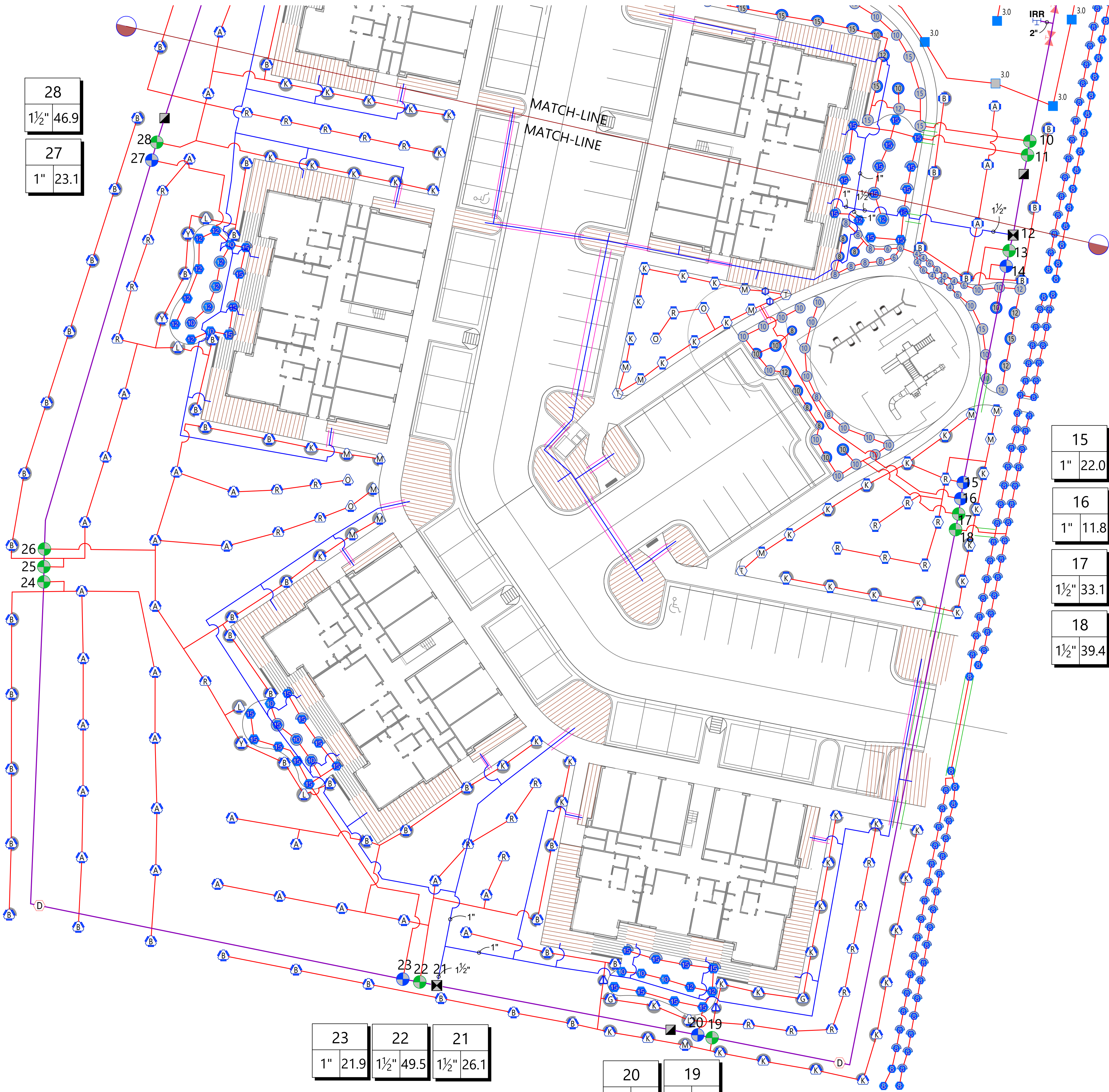
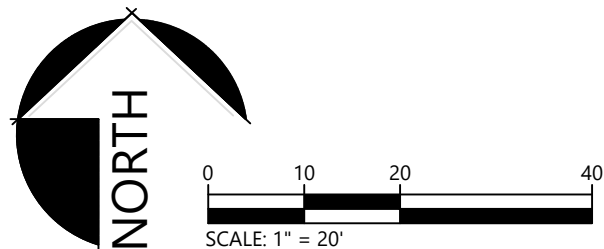
23	1"	21.9
22	1 1/2"	49.5
21	1 1/2"	26.1

20	1"	20.5
19	1 1/2"	46.3

15	1"	22.0
16	1"	11.8
17	1 1/2"	33.1
18	1 1/2"	39.4

10	1 1/2"	34.1
11	1 1/2"	31.1
12	1 1/2"	19.8
13	1 1/2"	37.6
14	1"	22.1

8	1 1/2"	49.5
9	1 1/2"	41.5



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- Job Status:
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 - CONSTRUCTION
 - AS-BUILDS

Drawn By:
B.G.V.

Designed By:
B.G.V.

Checked By:
M.S.

Design Date:
10-20-21

Drawing Number:
2021-0060

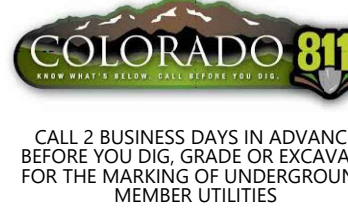
File Name:
2021-0060.DWG

Drawing Scale:
1" = 20'

SHEET TITLE:
South
Irrigation Plan

Sheet No.
IR-4

Sheet: 4 OF 7



Grand Junction
Pipe & Supply
Main Branch
2868 I-70 Bus. Loop
Grand Jct, CO 81501
(970) 243-4604

Project Title:

HAYMEADOW-RMF-1

EAGLE, COLORADO

Date	Revisions:	Designer
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IRRIGATION NOTES:

1. ALL WORK SHALL BE PER EXISTING COUNTY OR STATE CODE AND IS SUBJECT TO INSPECTION AND APPROVAL BY APPROPRIATE INSPECTORS AND OWNER REPRESENTATIVE.
2. INSTALLATION CONTRACTOR TO BE RESPONSIBLE FOR ALL INSTALLATION STANDARDS AND PRACTICES.
3. INSTALLATION CONTRACTOR TO BE RESPONSIBLE FOR ALL PERMITTING AND INSPECTION REQUIREMENTS.
4. ALL PIPE SHOULD BE SLEEVED WHEREVER CONCRETE IS TO BE OVERLAID.
5. ALL SLEEVES TO BE 2 TIMES THE DIAMETER OF THE PIPE TO BE SLEEVED.
6. ALL MAIN LINE SLEEVES TO HAVE AN ADDITIONAL SLEEVE AT SAME FOR CONTROL WIRES.
7. WIRE SPLICES TO BE LOCATED IN A VALVE BOX AT LEAST 10" (INCH) ROUND OR LARGER.
8. MAIN LINE TO BE BURIED MINIMUM OF 18" TO TOP MAIN LINE OF PIPE.
9. MAIN LINE PIPES LARGER THAN 3" SHALL HAVE THRUST BLOCKS AT ALL INTERSECTIONS AND DIRECTIONAL CHANGES.
10. IRRIGATION PLAN IS DIAGRAMMATIC. ANY COMPONENTS SHOWN ON PLAN OUTSIDE OF LANDSCAPE ARE SHOWN FOR ILLUSTRATION CLARIFICATION ONLY.
11. SWING PIPE SHALL BE USED ON ALL SPRINKLER HEADS WITH A FLOW UNDER 6 GPM, WITH MAXIMUM LENGTH OF SWING PIPE NO LONGER THAN 5' (FOOT). ALL SPRINKLER HEADS WITH A FLOW OVER 6 GPM SHALL BE INSTALLED WITH SWING JOINTS.
12. ISOLATION VALVES TO BE LOCATED IN 10" (INCH) ROUND VALVE BOX OR LARGER.
13. FOR OBSTRUCTIONS (ELECTRICAL TRANSFORMERS, TREES, FIRE HYDRANTS, ETC.) THAT WILL INTERFERE WITH PROPER COVERAGE OF SPRINKLER HEADS, WILL REQUIRE THE ADDITION OF PROPERLY PATTERNED HEADS AROUND OBSTRUCTION IN ORDER TO PROVIDE REQUIRED HEAD TO HEAD COVERAGE TO ALL IRRIGATED AREAS.
14. SPRINKLER HEADS TO BE SET PERPENDICULAR TO FINISHED GRADE AND ADJUSTED TO PREVENT OVER SPRAY ONTO NON IRRIGATED AREAS.
15. LATERALS ARE SIZED AT TRANSITIONS ONLY. SEGMENTS THAT ARE NOT NOTED WILL BE THE SAME SIZE AS ADJACENT SEGMENTS. UP-STREAM SEGMENTS WILL NEVER BE SMALLER THAN ANY DOWN-STREAM SEGMENTS ON THE SAME LATERAL.

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	DESIGN PSI	FRICTION LOSS	VALVE LOSS	PSI	PSI @ POC	PRECIP
1	Rain Bird XCZ-100-PRB-COM (2)	1"	Area for Dripline	13.03	30	1.73	10.75	42.48		0.65 in/h
2	Rain Bird PESSB	1"	Shrub Rotary	9.85	40	0.96	1.8	42.78		0.5 in/h
3	Rain Bird PESSB	1-1/2"	Shrub Spray	37.44	30	0.72	3.53	34.24		2.11 in/h
4	Rain Bird PESSB	1"	Turf Spray	26.79	30	0.98	4.73	35.71		2.56 in/h
5	Rain Bird XCZ-150-LCDR	1-1/2"	Area for Dripline	24.24	30	2.72	4.67	37.4		0.89 in/h
6	Rain Bird PESSB	1"	Shrub Rotary	11.66	40	1.1	1.98	43.08		0.6 in/h
7	Rain Bird PESSB	1-1/2"	Turf Rotator	30.90	45	1.89	3.59	50.49		0.36 in/h
8	Rain Bird PESSB	1-1/2"	Turf Rotator	49.45	45	3.14	5.59	51.73		0.64 in/h
9	Rain Bird PESSB	1-1/2"	Turf Spray	41.45	30	1.1	3.51	34.62		2.04 in/h
10	Rain Bird PESSB	1-1/2"	Shrub Spray	34.06	30	1.79	3.56	35.35		1.81 in/h
11	Rain Bird PESSB	1-1/2"	Turf Spray	31.06	30	1.22	3.59	34.81		2.28 in/h
12	Rain Bird XCZ-150-LCDR	1-1/2"	Area for Dripline	19.84	30	3.84	3.96	37.21		0.65 in/h
13	Rain Bird PESSB	1-1/2"	Shrub Spray	37.57	30	0.97	3.52	34.49		3.17 in/h
14	Rain Bird PESSB	1"	Turf Rotary	22.13	40	0.79	3.48	44.27		0.5 in/h
15	Rain Bird PESSB	1"	Shrub Rotary	22.04	40	0.48	3.45	43.94		0.65 in/h
16	Rain Bird PESSB	1"	Shrub Rotary	11.80	40	2.35	2	44.35		0.62 in/h
17	Rain Bird PESSB	1-1/2"	Shrub Spray	33.08	30	1.95	3.57	35.51		2.48 in/h
18	Rain Bird PESSB	1-1/2"	Turf Spray	39.44	30	1.44	3.51	34.95		1.88 in/h
19	Rain Bird PESSB	1-1/2"	Shrub Rotary	46.33	45	1.92	3.56	50.49		0.4 in/h
20	Rain Bird PESSB	1"	Turf Spray	20.53	30	0.44	3.04	33.48		2.29 in/h
21	Rain Bird XCZ-150-LCDR	1-1/2"	Area for Dripline	28.14	30	2.98	4.98	37.98		0.65 in/h
22	Rain Bird PESSB	1-1/2"	Shrub Rotary	49.48	45	1.86	3.59	50.45		0.42 in/h
23	Rain Bird PESSB	1-1/2"	Turf Spray	21.93	30	1.26	3.42	34.69		2.59 in/h
24	Rain Bird PESSB	1-1/2"	Shrub Rotary	47.34	45	1.69	3.57	50.27		0.38 in/h
25	Rain Bird PESSB	1-1/2"	Shrub Rotary	48.48	45	2.12	3.58	50.71		0.44 in/h
26	Rain Bird PESSB	1-1/2"	Shrub Rotary	48.48	45	1.28	3.59	49.86		0.43 in/h
27	Rain Bird PESSB	1-1/2"	Turf Spray	23.12	30	0.74	3.43	34.53		2.18 in/h
28	Rain Bird PESSB	1-1/2"	Shrub Rotary	46.93	45	1.54	3.57	50.11		0.55 in/h
29	Rain Bird PESSB	1"	Turf Spray	19.79	30	0.41	2.88	33.29		1.99 in/h
30	Rain Bird XCZ-150-LCDR	1-1/2"	Area for Dripline	26.17	30	0.65	4.99	37.94		0.67 in/h
31	Rain Bird PESSB	1-1/2"	Shrub Rotary	47.24	45	2.86	3.57	51.43		0.52 in/h
32	Rain Bird PESSB	1"	Turf Spray	19.85	30	0.42	2.88	33.3		1.92 in/h
33	Rain Bird PESSB	1"	Turf Rotator	24.24	45	1.01	4.04	50.06		0.53 in/h

WATERING SCHEDULE

NUMBER	MODEL	TYPE	PRECIP	IN/WEEK	MIN/WEEK	GAL/WEEK	GAL/DAY
1	Rain Bird XCZ-100-PRB-COM (2)	Area for Dripline	0.65 in/h	1	92	1,199	399.6
2	Rain Bird PESSB	Shrub Rotary	0.5 in/h	1	121	1,192	397.5
3	Rain Bird PESSB	Shrub Spray	2.11 in/h	1	29	1,086	362.0
4	Rain Bird PESSB	Turf Spray	2.56 in/h	1	24	842.9	214.3
5	Rain Bird XCZ-150-LCDR	Area for Dripline	0.69 in/h	1	87	2,109	703.0
6	Rain Bird PESSB	Shrub Rotary	0.6 in/h	1	101	1,177	392.4
7	Rain Bird PESSB	Turf Rotator	0.36 in/h	1	168	5,191	1,730
8	Rain Bird PESSB	Turf Rotator	0.64 in/h	1	95	4,608	1,566
9	Rain Bird PESSB	Turf Spray	2.04 in/h	1	30	1,244	414.5
10	Rain Bird PESSB	Shrub Spray	1.81 in/h	1	34	1,158	386.0
11	Rain Bird PESSB	Turf Spray	2.28 in/h	1	27	838.7	279.6
12	Rain Bird XCZ-150-LCDR	Area for Dripline	0.65 in/h	1	93	1,845	615.0
13	Rain Bird PESSB	Shrub Spray	3.17 in/h	1	19	713.8	237.9
14	Rain Bird PESSB	Turf Rotary	0.5 in/h	1	121	2,678	892.7
15	Rain Bird PESSB	Shrub Rotary	0.51 in/h	1	118	2,601	867.0
16	Rain Bird PESSB	Shrub Rotary	0.62 in/h	1	98	1,156	385.5
17	Rain Bird PESSB	Turf Spray	2.46 in/h	1	25	827.0	275.7
18	Rain Bird PESSB	Turf Spray	1.88 in/h	1	32	1,262	420.7
19	Rain Bird PESSB	Shrub Rotary	0.4 in/h	1	149	6,903	2,301
20	Rain Bird PESSB	Shrub Spray	2.59 in/h	1	27	554.4	184.8
21	Rain Bird XCZ-150-LCDR	Area for Dripline	0.65 in/h	1	94	2,457	819.1
22	Rain Bird PESSB	Shrub Rotary	0.42 in/h	1	144	7,125	2,375
23	Rain Bird PESSB	Turf Spray	2.18 in/h	1	24	526.4	175.5
24	Rain Bird PESSB	Shrub Rotary	0.38 in/h	1	160	7,574	2,525
25	Rain Bird PESSB	Shrub Rotary	0.44 in/h	1	136	6,593	2,198
26	Rain Bird PESSB	Shrub Rotary	0.43 in/h	1	141	6,963	2,321
27	Rain Bird PESSB	Turf Spray	2.18 in/h	1	28	647.5	215.8
28	Rain Bird PESSB	Shrub Rotary	0.55 in/h	1	110	5,162	1,721
29	Rain Bird PESSB	Turf Spray	1.99 in/h	1	31	613.3	204.4
30	Rain Bird XCZ-150-LCDR	Area for Dripline	0.67 in/h	1	90	2,355	785.1
31	Rain Bird PESSB	Shrub Rotary	0.52 in/h	1	116	5,480	1,827
32	Rain Bird PESSB	Turf Spray	1.92 in/h	1	32	635.2	211.7
33	Rain Bird PESSB	Turf Rotator	0.53 in/h	1	113	2,739	913.0
TOTALS:					2,709	87,947	29,316

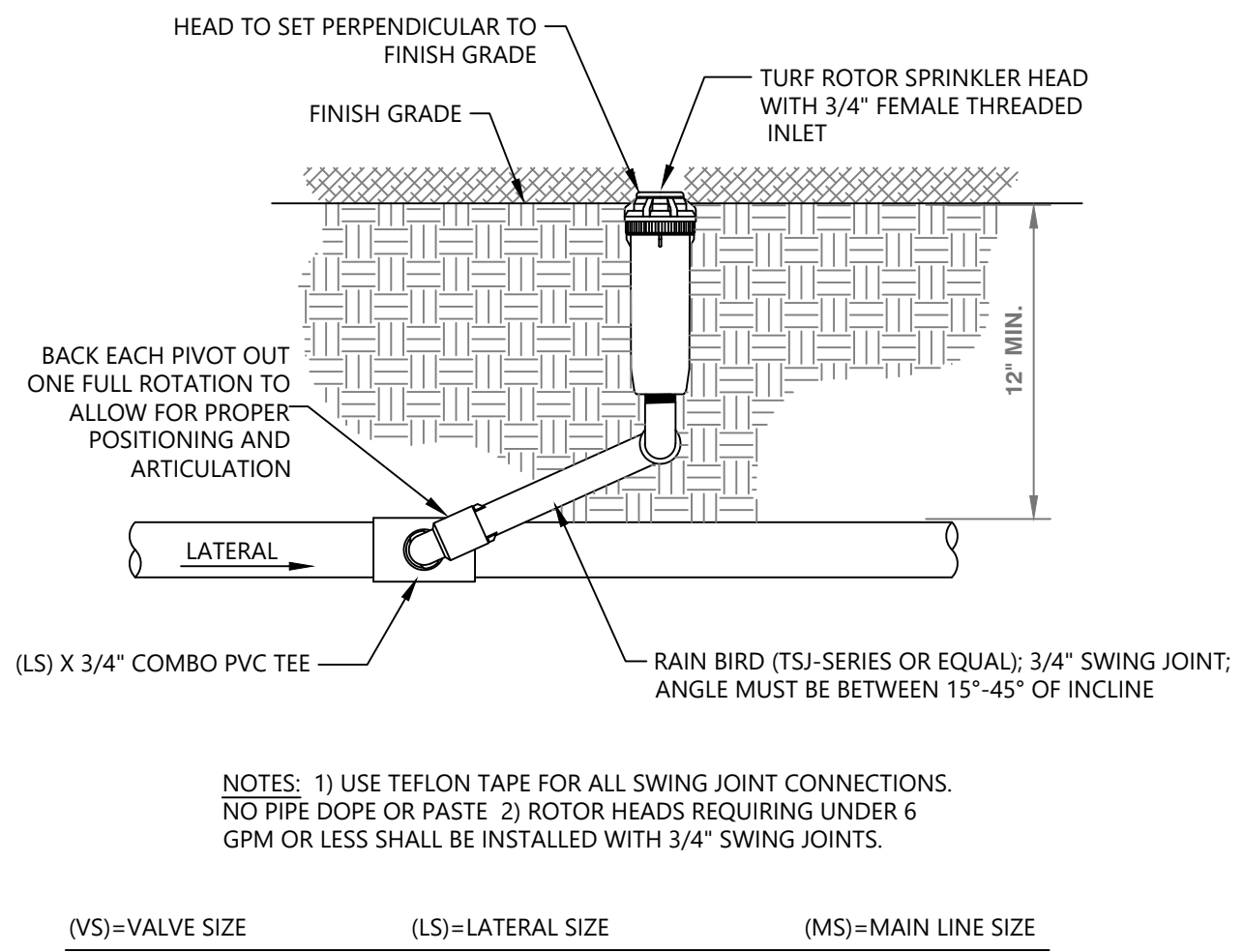
Watering schedule based on 1" of water per week on a three day watering cycle. This is for example only and watering days and quantities may change based on plant type and requirements. This should be determined by landscaper and plant suppliers.

CRITICAL ANALYSIS

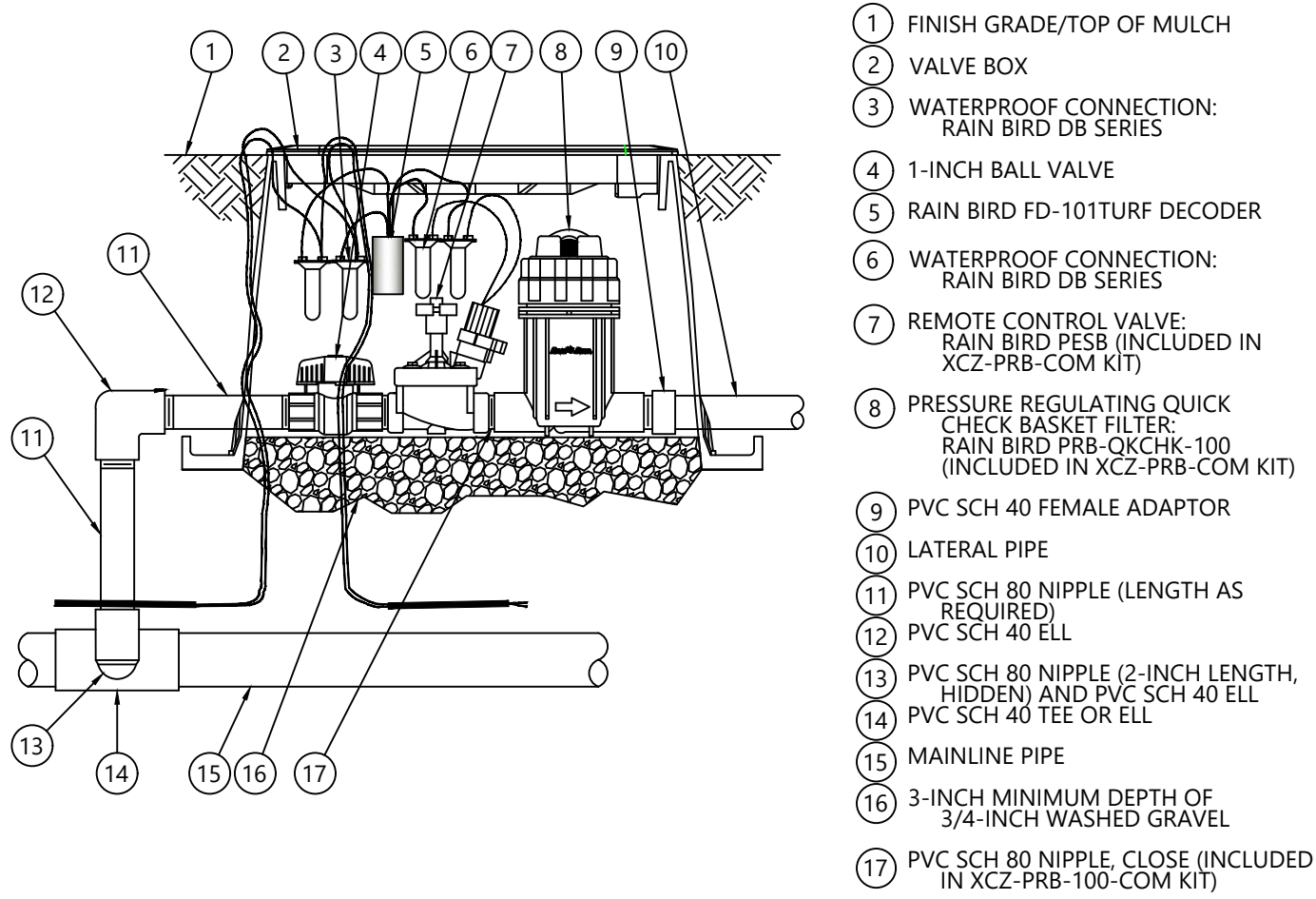
Generated:	2021-10-13 18:02
P.O.C. NUMBER:	01
Water Source Information:	2" Tap From Existing System
FLOW AVAILABLE	
Point of Connection Size:	2"
Flow Available:	51.45 gpm
PRESSURE AVAILABLE	
Static Pressure at POC:	65.00 PSI
Pressure Available:	65.00 psi
DESIGN ANALYSIS	
Maximum Station Flow:	49.48 gpm
Flow Available at POC:	51.45 gpm
Residual Flow Available:	1.97 gpm
Critical Station:	30
Design Pressure:	45.00 psi
Friction Loss:	2.60 psi
Fittings Loss:	0.26 psi
Elevation Loss:	0.00 psi
Loss through Valve:	3.57 psi
Pressure Req. at Critical Station:	51.43 psi
Loss for Fittings:	0.48 psi
Loss for Main Line:	4.84 psi
Loss for POC to Valve Elevation:	0.00 psi
Loss for Backflow:	0.00 psi
Critical Station Pressure at POC:	56.75 psi
Pressure Available:	65.00 psi
Residual Pressure Available:	8.25 psi

IRRIGATION SCHEDULE

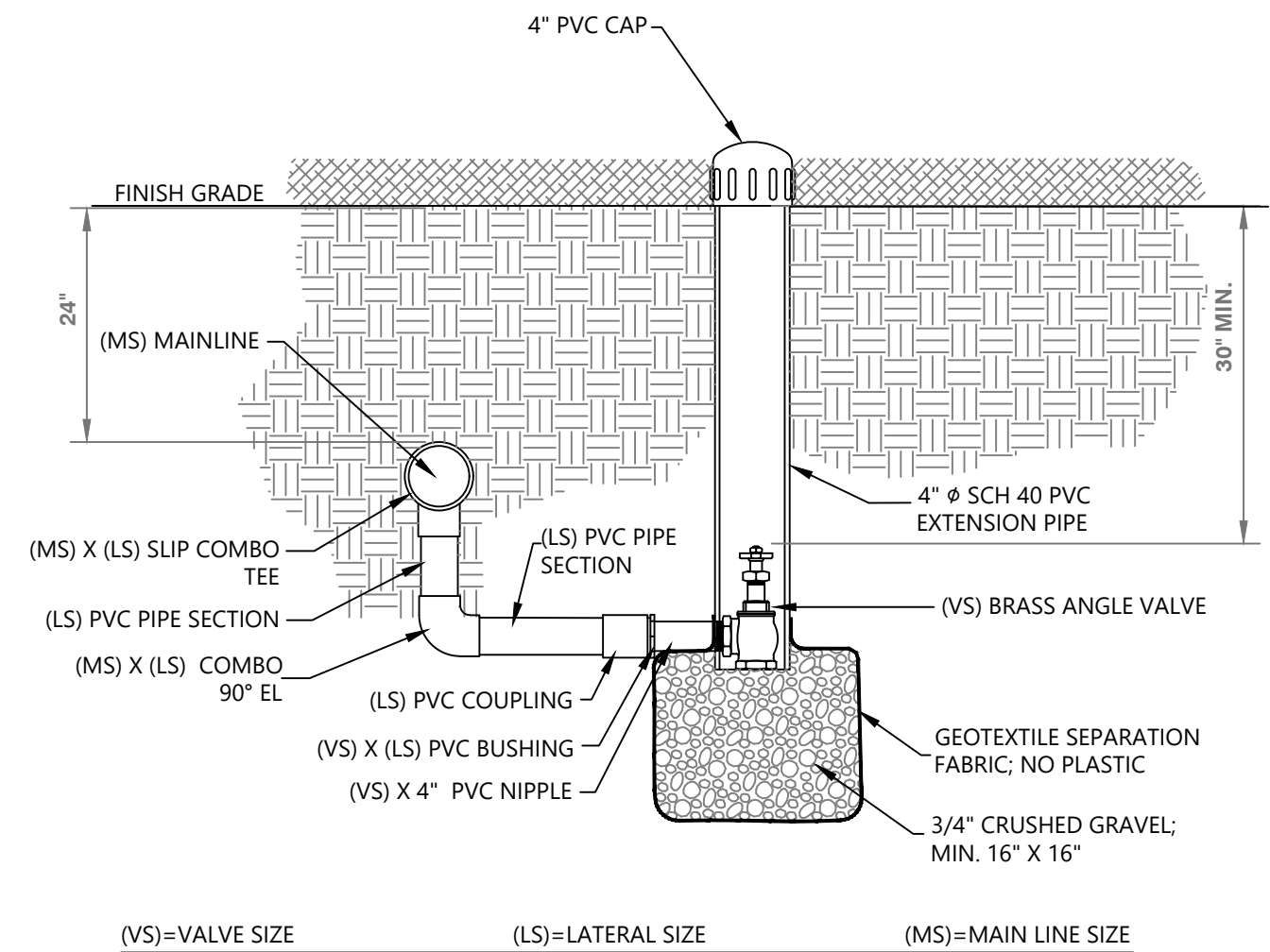
MANUFACTURER/MODEL/DESCRIPTION				QTY	ARC	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION				QTY	ARC
	Rain Bird RD-04-S-P30-F 8 Series MPR	103	180		Hunter MP2000 PROS-06-PRS40-CV-F (2)	41	90-210					
	Turf Spray, 4.0" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.				Shrub Rotator, 6" pop-up with factory installed check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc on PRS40 body.							
	Rain Bird RD-04-S-P30-F 8 Series MPR	4	90			Hunter MP2000 PROS-06-PRS40-CV-F (2)	11	360				
	Turf Spray, 4.0" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.					Shrub Rotator, 6" pop-up with factory installed check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc on PRS40 body.						
	Rain Bird RD-04-S-P30-F 10 Series MPR	4	360				Hunter MP2000 PROS-12-PRS40-CV-F	4	210-270			
	Turf Spray, 4.0" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.						Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc on PRS40 body.					
	Rain Bird RD-04-S-P30-F 12 Series MPR	9	360					Hunter MP2000 PROS-12-PRS40-CV-F	64	90-210		
	Turf Spray, 4.0" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.							Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc on PRS40 body.				
	Rain Bird RD-04-S-P30-F 15 Series MPR	7	360						Hunter MP2000 PROS-12-PRS40-CV-F	35	360	
	Turf Spray, 4.0" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc on PRS40 body.			
Rain Bird RD-04-S-P30-F 15 Series MPR	17	180		Hunter MP3000 PROS-12-PRS40-CV-F					29	360		
Turf Spray, 4.0" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.				Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotary nozzle, B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc on PRS40 body.								
Rain Bird RD-04-S-P30-F 15 Series MPR	10	90			Hunter MP3000 PROS-12-PRS40-CV-F				47	90-210		
Turf Spray, 4.0" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.					Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP rotary nozzle, B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc on PRS40 body.							
Rain Bird RD-04-S-P30-F HE-VAN Series	49	Adj				Hunter MP3000 PROS-12-PRS40-CV-F			5	210-270		
Turf Spray, 4.0" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.						Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP rotary nozzle, B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc on PRS40 body.						
Rain Bird RD-04-S-P30-F HE-VAN Series	9	Adj					Hunter MP800SR PROS-06-PRS40-CV-F (2)		2	Adj		
Turf Spray, 4.0" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.							Shrub Rotator, 6" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. ADJ=Orange and Gray (arc 90-210), 360=Lime Green and Gray (arc 360)					
Rain Bird RD-04-S-P30-F HE-VAN Series	20	Adj						Hunter MP800SR PROS-12-PRS40-CV-F	2	Adj		
Turf Spray, 4.0" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. ADJ=Orange and Gray (arc 90-210), 360=Lime Green and Gray (arc 360)				
Rain Bird RD-04-S-P30-F HE-VAN Series	23	Adj						Rain Bird 5004-PL-PC, FC (2)	3			
Turf Spray, 4.0" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 4.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Standard Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F 8 Series MPR	3	360						Rain Bird 5004-PL-PC, FC (2)	23			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 4.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Standard Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F 8 Series MPR	4	180						Rain Bird 5004-PL-PC, FC-LA (2)	1			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 4.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F 10 Series MPR	7	180						Rain Bird 5006-PL-PC, FC-LA	4			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F 12 Series MPR	1	360						Rain Bird 5006-PL-PC, FC-LA	7			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F 12 Series MPR	7	180						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F 15 Series MPR	8	180						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F 15 Series MPR	1	90						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F VAN Series	9	Adj						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F VAN Series	7	Adj						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F VAN Series	9	Adj						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F VAN Series	33	Adj						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F VAN Series	3							Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F VAN Series	14							Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Rain Bird RD-06-S-P30-F VAN Series	14							Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Spray, 6" Pop-Up, with 30 psi in-stem pressure regulation, Seal-A-Matic check valve, and Flow-Shield Technology. 1/2" NPT female threaded inlet.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP3000 PROS-04-PRS40-CV-F-R	3	360						Rain Bird 5006-PL-PC, FC-LA	2			
Turf Rotator, 4" pop-up with factory installed check valve, foguard, reclaimed body cap, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP3000 PROS-04-PRS40-CV-F-R	7	90-210						Rain Bird 5006-PL-PC, FC-LA	2			
Turf Rotator, 4" pop-up with factory installed check valve, foguard, reclaimed body cap, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP Corner PROS-06-PRS40-CV-F (2)	3	Adj						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 6" pop-up with factory installed check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. T=Turquoise adj arc 45-105.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-06-PRS40-CV-F (2)	13	90-210						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 6" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-06-PRS40-CV-F (2)	5	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 6" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	10	210-270						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	34	90-210						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
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Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
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Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
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Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
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Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.								Turf Tor, 6.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Low Angle Nozzle and Flow Shut-Off Device.				
Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
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Hunter MP1000 PROS-12-PRS40-CV-F	4	360						Rain Bird 5006-PL-PC, FC-LA	2			
Shrub Rotator, 12" pop-up with check valve, foguard, pressure regulated to 40 psi, MP Rotator nozzle, M=Maroon adj arc 90 to 210, L=Light Blue 210												



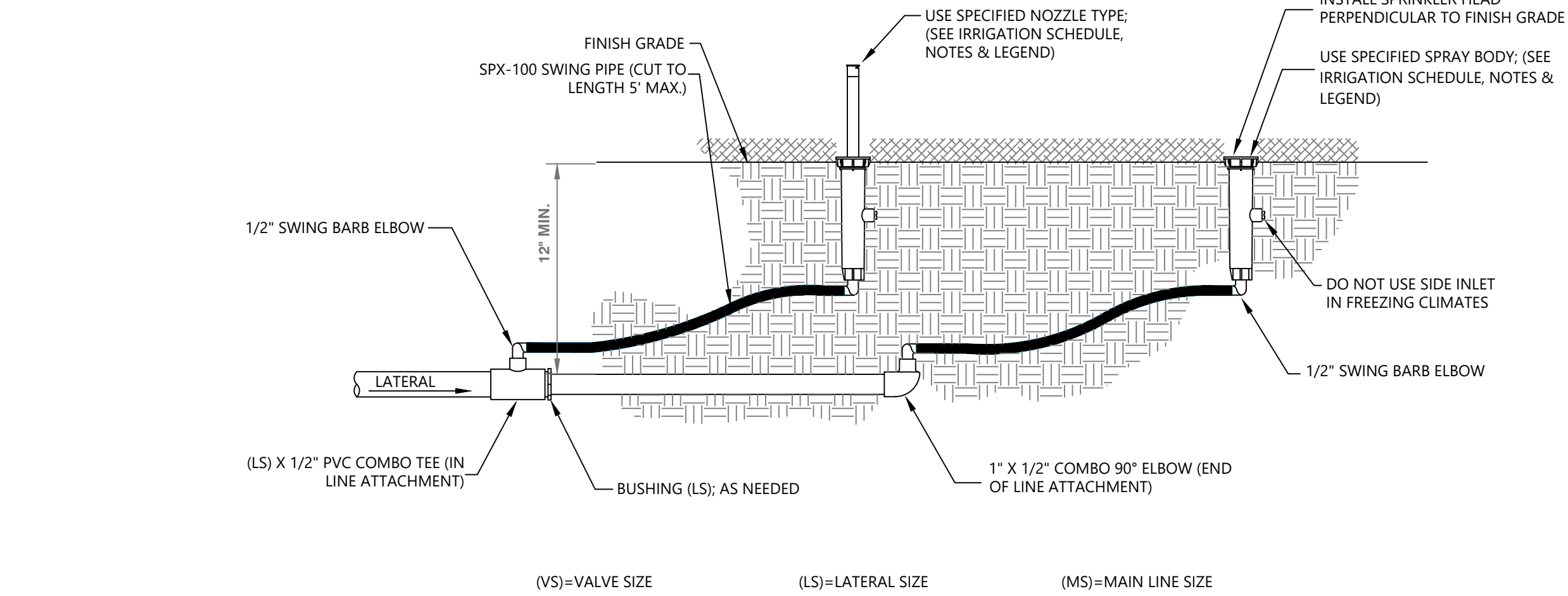
1 TURF ROTOR ON 3/4" SWING JOINT
IR-6 N.T.S.



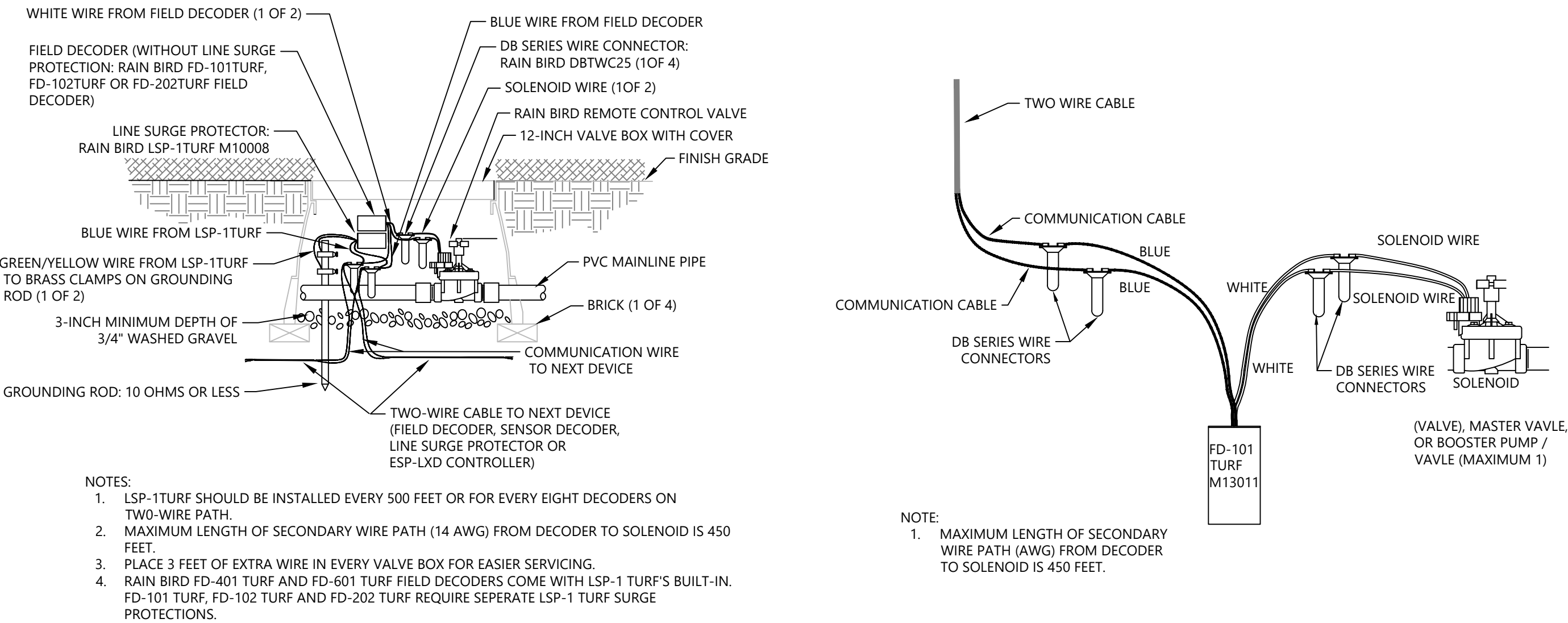
4 RAIN BIRD XCZ-100-PRB-LC DRIP CONTROL KIT
IR-6 N.T.S.



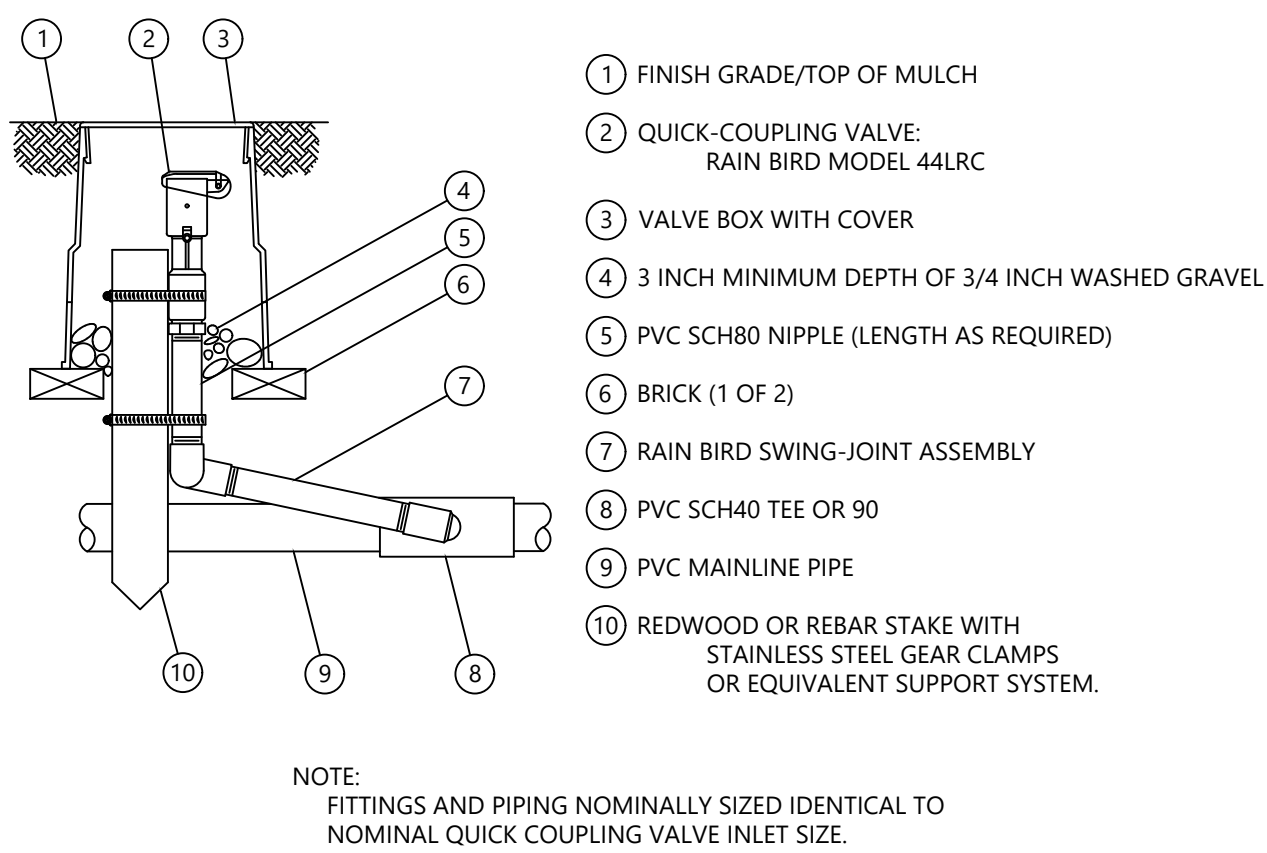
8 BRASS ANGLE DRAIN VALVE
IR-6 N.T.S.



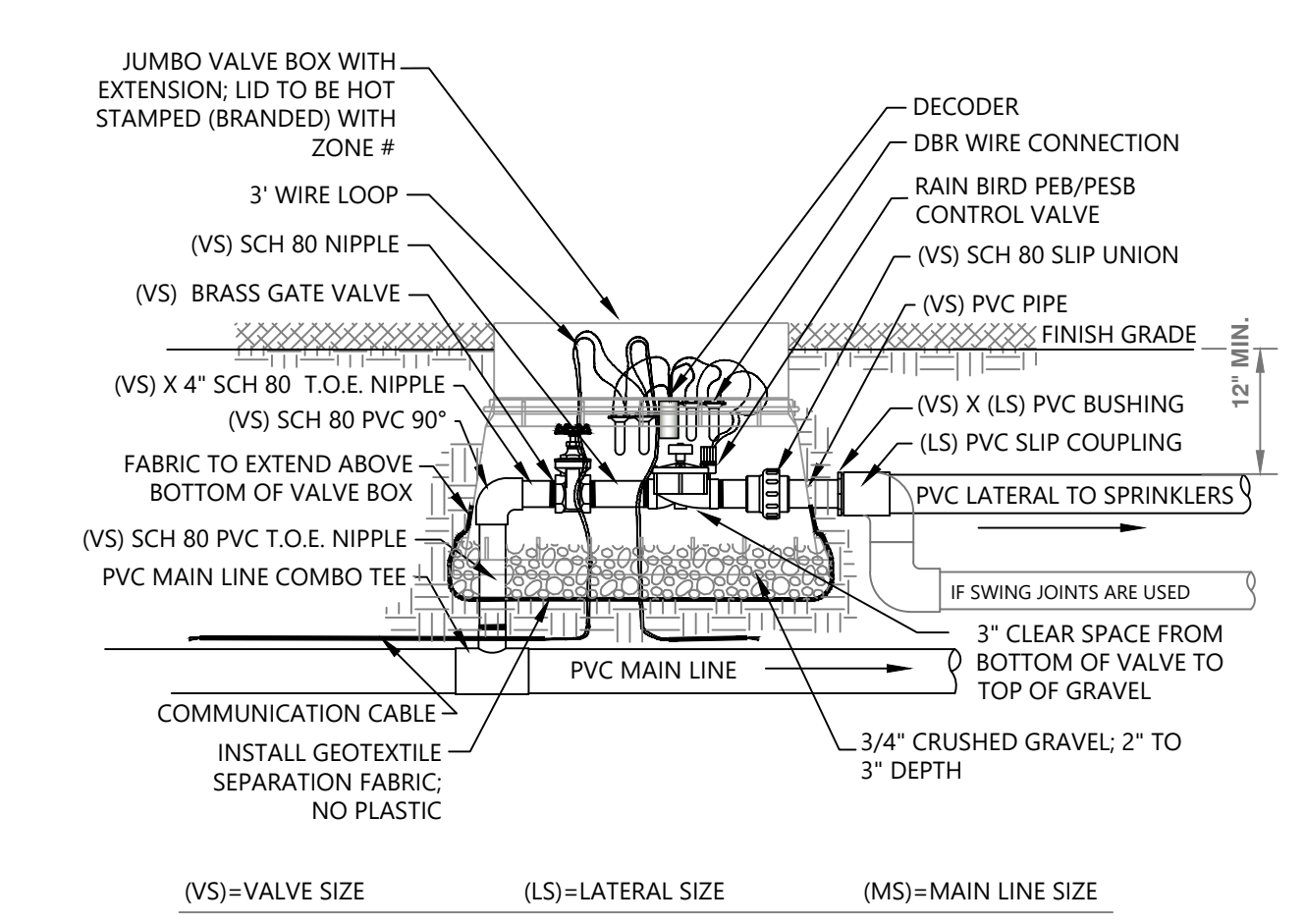
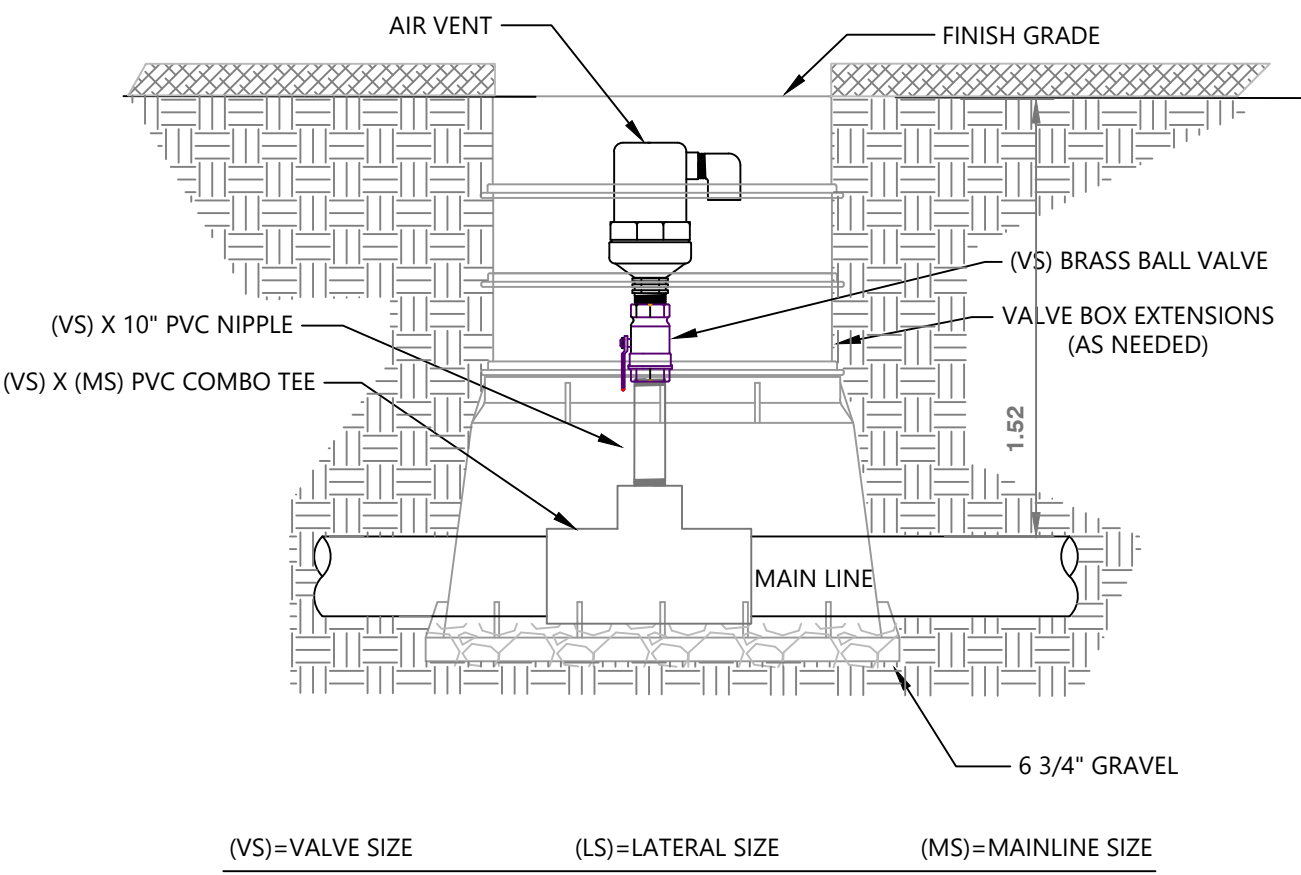
2 SPRAY BODY ON SWING PIPE
IR-6 N.T.S.



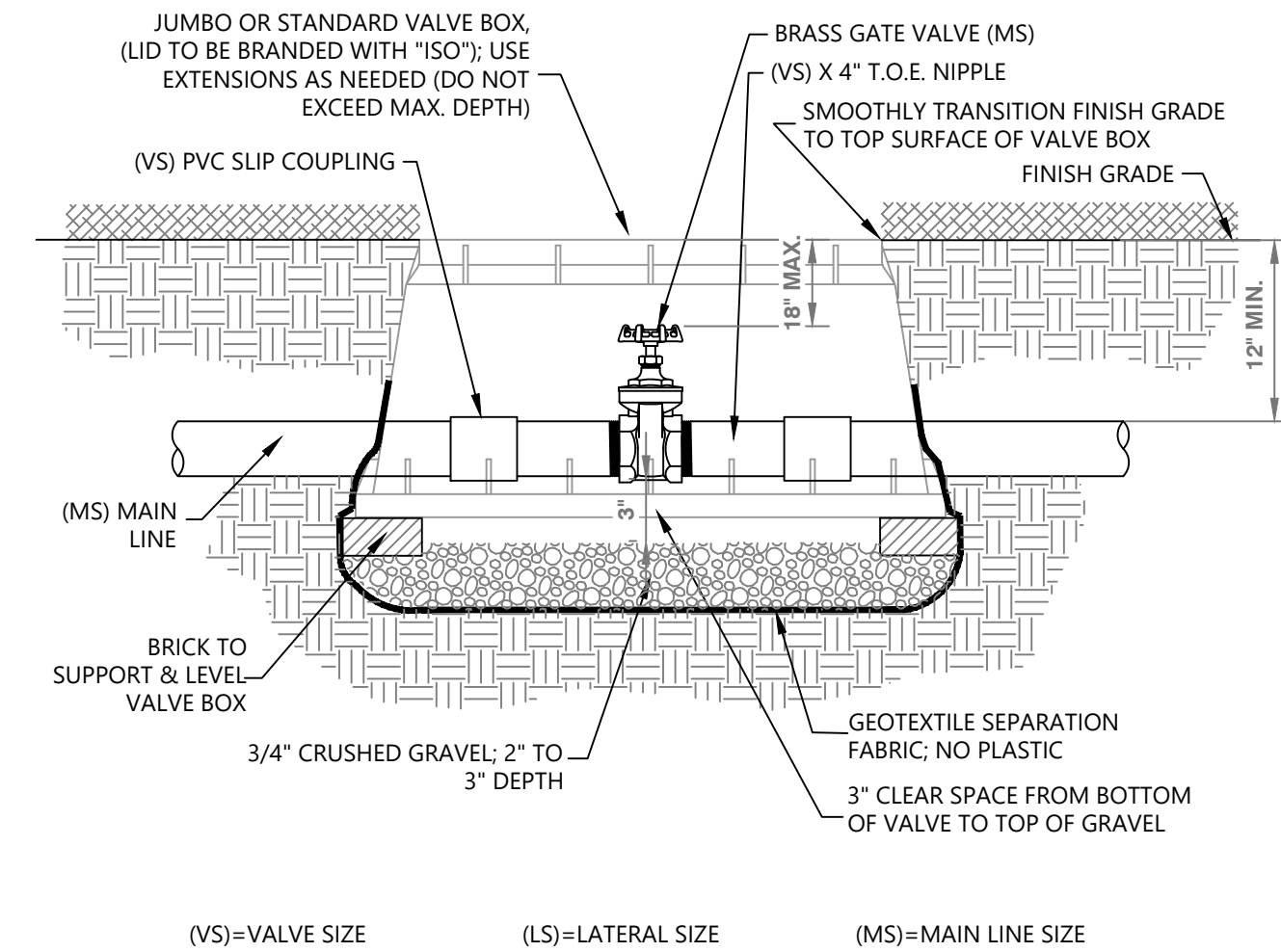
5 LSP-1TURF AND FIELD DECODER CONNECTION
IR-6 N.T.S.



10 AIR VENT
IR-6 N.T.S.



3 RAINBIRD CONTROL VALVE W/ DECODER
IR-6 N.T.S.



7 BRASS ISOLATION VALVE
IR-6 N.T.S.

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Revisions:
Date Notes Designer

Project Title:

Grand Junction
Pipe & Supply
Main Branch
2868 I-70 Bus. Loop
Grand Junction, CO 81501
(970) 243-4604

Job Status:

PRELIMINARY

FINAL

FOR PERMIT

CONSTRUCTION

AS-BUILDS

Drawn By:
B.G.V.

Designed By:
B.G.V.

Checked By:
M.S.

Design Date:
10-20-21

Drawing Number:
2021-0060

File Name:
2021-0060.DWG

Drawing Scale:
N.T.S.

SHEET TITLE:
Irrigation Details

Sheet No.
IR-6

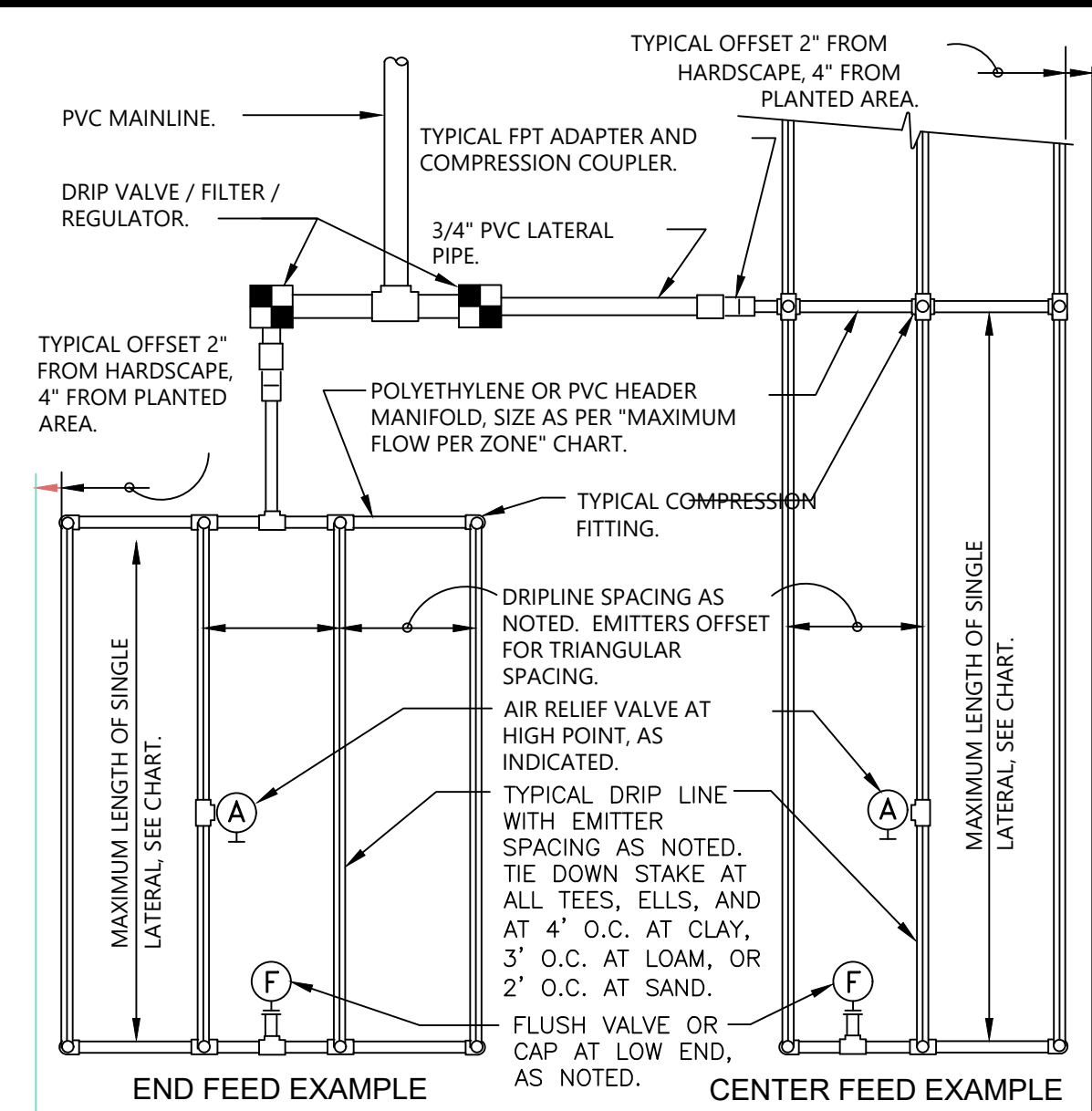
Sheet:
6 OF 7

COLORADO 811

CALL 2 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG. GRADE OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

HAYMEADOW-RMF-1

EAGLE, COLORADO



1 TYPICAL RAIN BIRD DRIPLINE REQUIREMENTS
N.T.S.

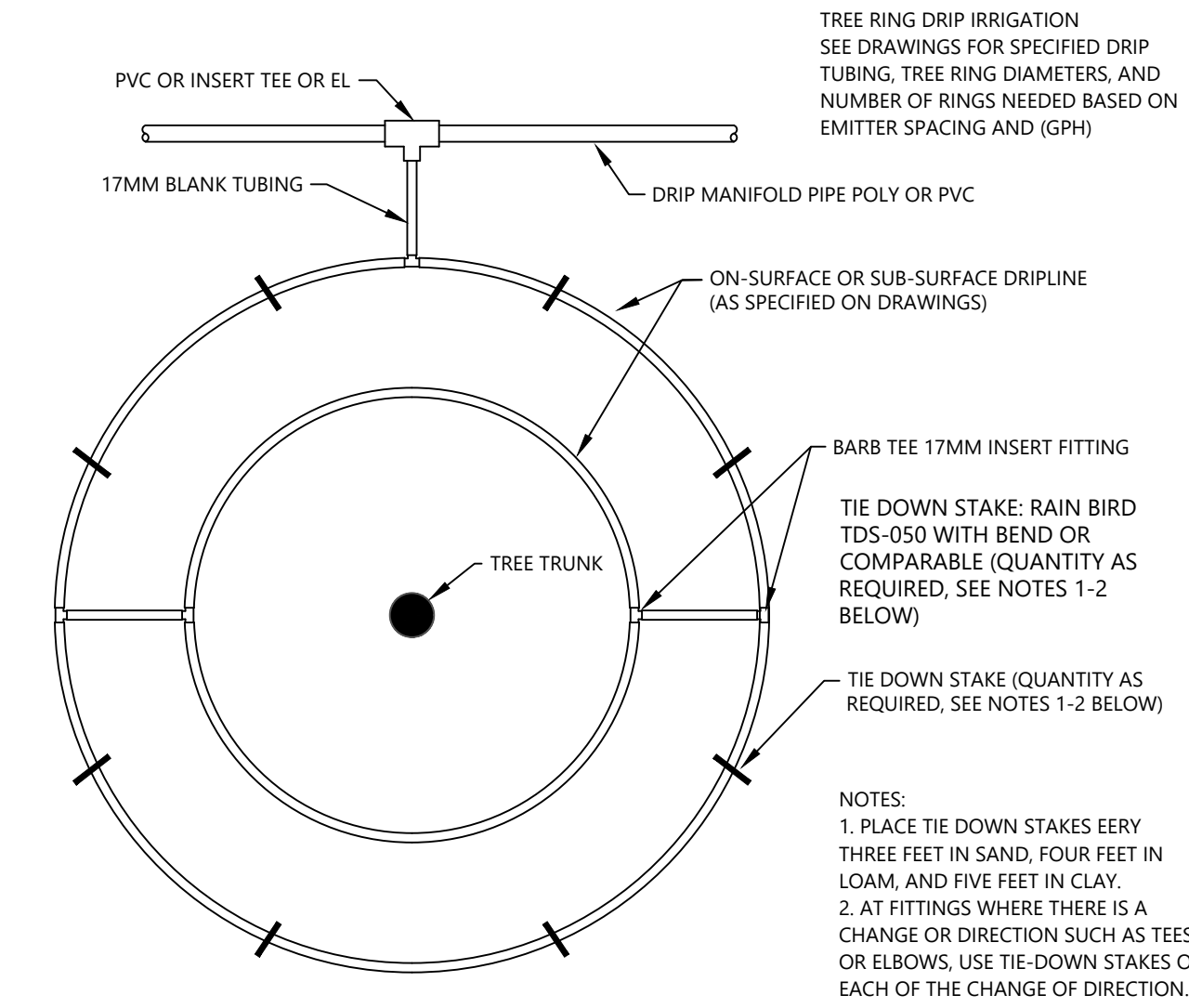
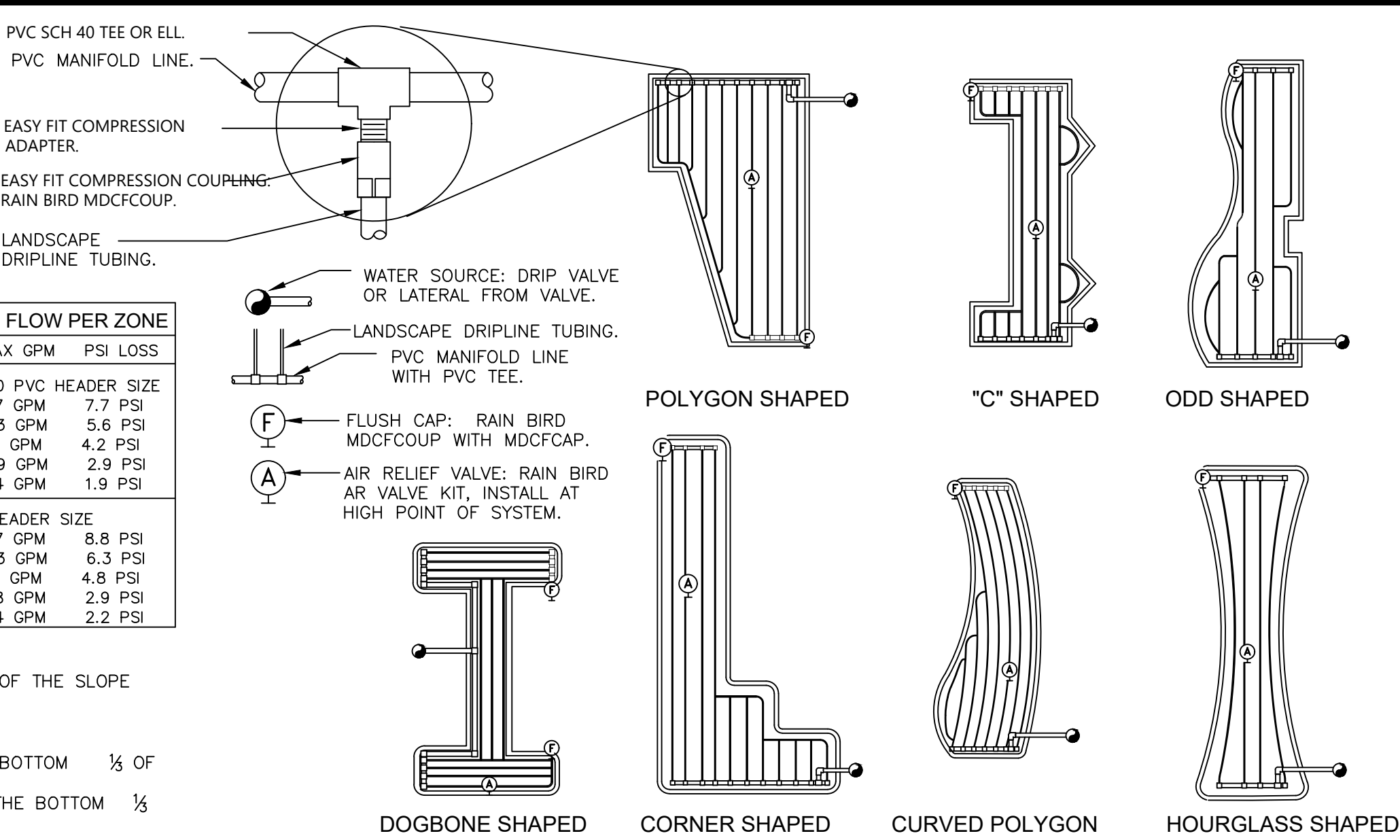
MAXIMUM LATERAL LENGTH (FEET)						
EMITTER FLOW RATE GPH						
PSI	12" SPACING		18" SPACING		24" SPACING	
	0.6	0.9	0.6	0.9	0.6	0.9
10	125	96	175	135	218	171
20	249	191	350	171	442	340
30	307	236	434	333	550	422
40	350	268	495	380	627	171
50	125	96	175	135	218	171
60	125	96	175	135	218	171

GRID PRECIPITATION RATES (IN/HR)				
EMITTER FLOW RATE				
EMITTER SPACING	LATERAL SPACING	0.6 0.9		
12	12	0.96	1.44	
18	18	0.69	1.03	
24	24	0.28	0.41	

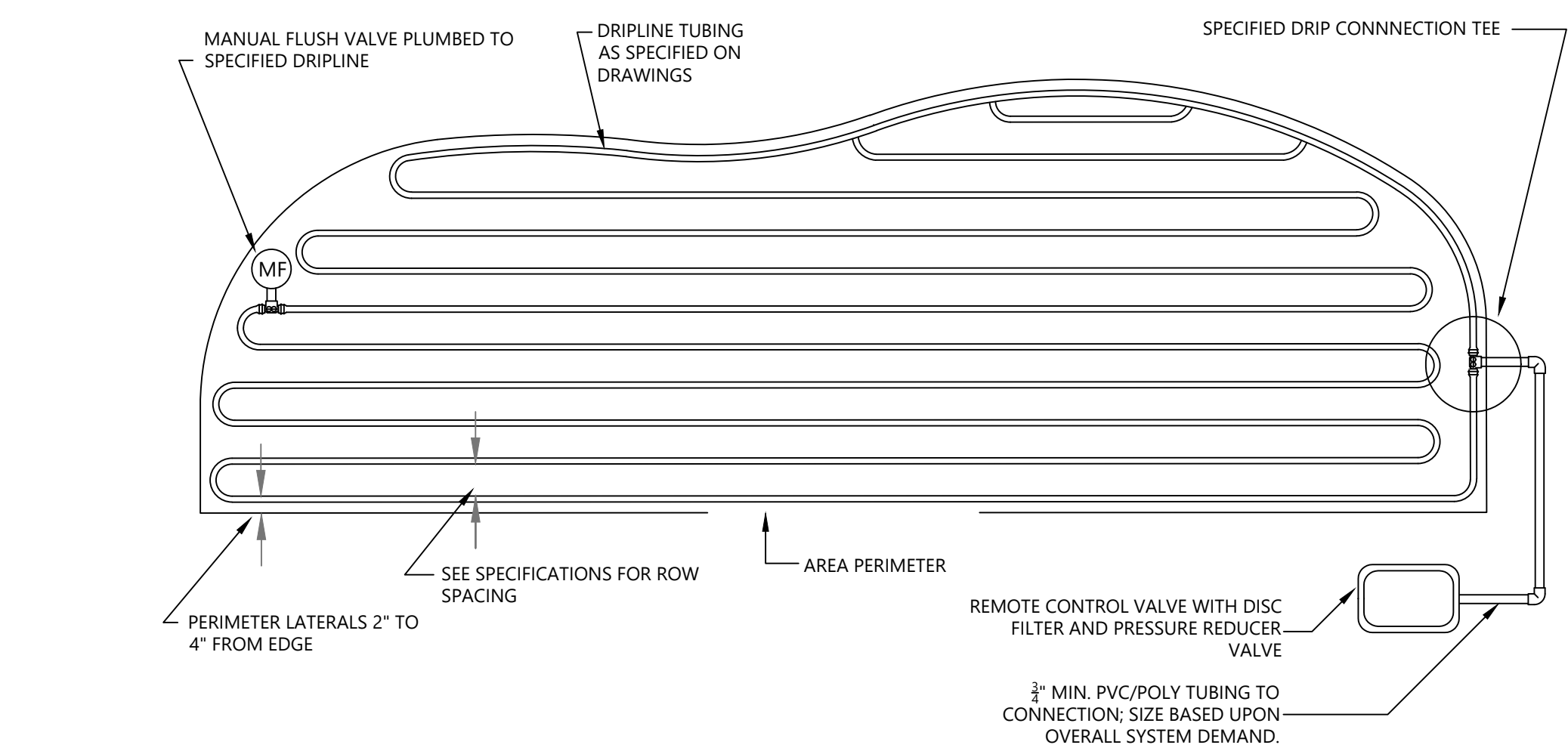
LATERAL FLOW PER 100 FT (GPM)				
EMITTER FLOW	12" SPACING	18" SPACING	24" SPACING	
0.6 GPH	1.0 GPM	0.67 GPM	0.50 GPM	
0.9 GPH	1.5 GPM	1.0 GPM	0.75 GPM	

- SLOPED CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP 2/3 OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM 1/3 ON A SEPARATE VALVE.

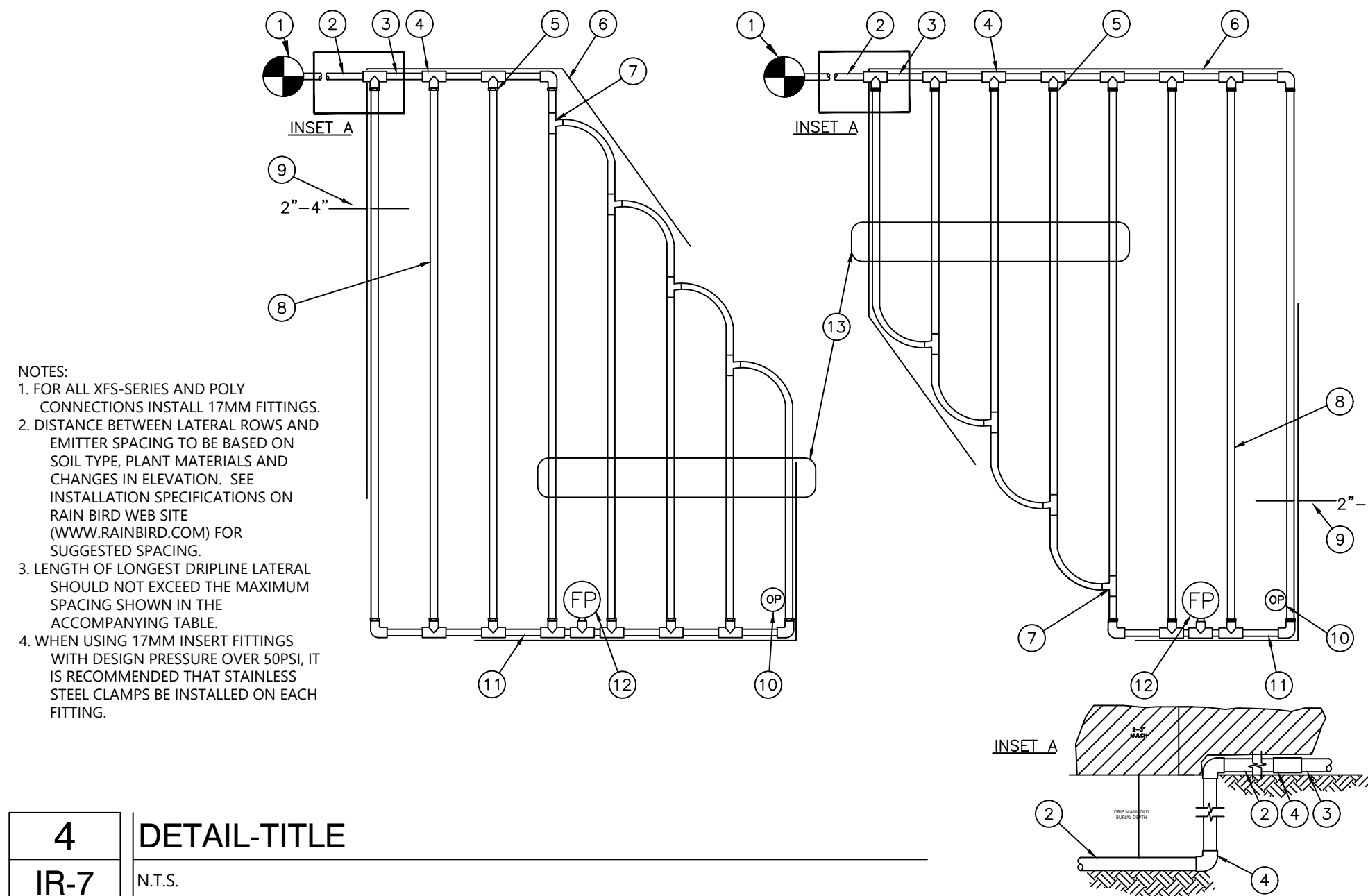
MAXIMUM FLOW PER ZONE		
MAX GPM	PSI LOSS	
SCHEDULE 40 PVC HEADER SIZE		
1/2"	4.7 GPM	7.7 PSI
3/4"	8.3 GPM	5.6 PSI
1"	13.5 GPM	4.2 PSI
1-1/2"	33.9 GPM	2.9 PSI
2"	52.4 GPM	1.9 PSI
POLY PIPE HEADER SIZE		
1/2"	4.7 GPM	8.8 PSI
3/4"	8.3 GPM	6.3 PSI
1"	13.5 GPM	4.8 PSI
1-1/2"	31.8 GPM	2.9 PSI
2"	52.4 GPM	2.2 PSI



2 TYPICAL TREE RING-DRIPLINE IRRIGATION
IR-7 N.T.S.



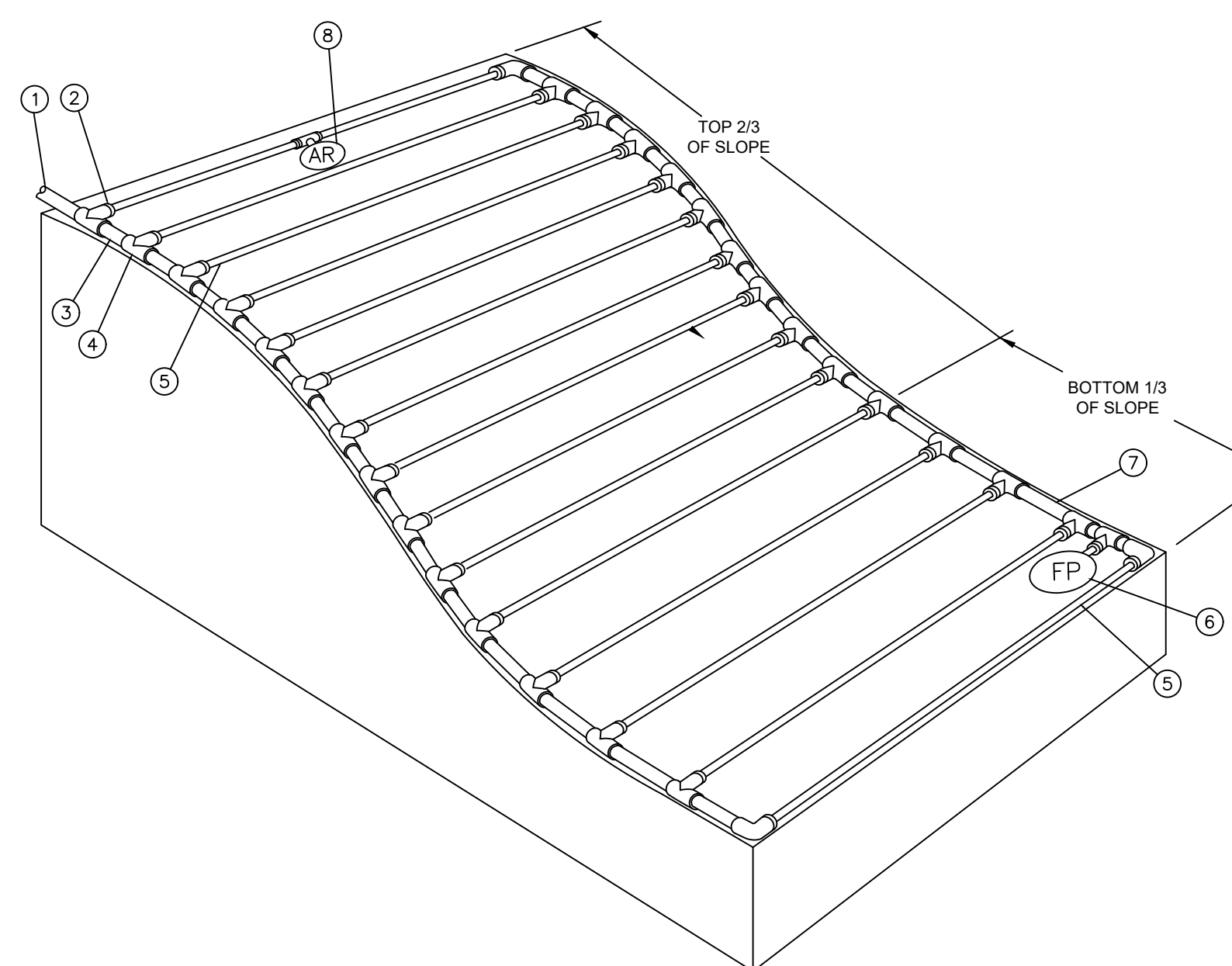
3 DRIPLINE LAYOUT FOR IRREGULAR AREAS
IR-7 N.T.S.



4 DETAIL-TITLE
IR-7 N.T.S.

- 1 IRRIGATION CONTROL VALVE: RAIN BIRD DRIP CONTROL ZONE KIT INSTALLED IN VALVE BOX
- 2 PVC SUPPLY PIPE FROM RAIN BIRD CONTROL ZONE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
- 3 PVC SUPPLY HEADER
- 4 PVC SCH 40 TEE OR EL (TYPICAL)
- 5 17MM BARB X MALE FITTING:
- 6 PERIMETER OF AREA
- 7 17MM BARB X BARB INSERT TEE OR CROSS:
- 8 ON-SURFACE DRIPLINE: RAIN BIRD XFS-SERIES DRIPLINE (TYPICAL)
- 9 PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER OF AREA
- 10 OPERATION INDICATOR
- 11 PVC EXHAUST HEADER
- 12 FLUSH POINT (TYPICAL) SEE FLUSH POINT DETAIL
- 13 TOTAL LENGTH OF SELECTED DRIPLINE SHOULD NOT EXCEED LENGTH SHOWN IN TABLE

XFS Dripline Maximum Lateral Lengths (Feet)				
Inlet Pressure psi	12" Spacing		18" Spacing	
	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)
	0.6	0.9	0.6	0.9
20	192	136	254	215
30	289	205	402	337
40	350	248	498	416
50	397	281	573	477
60	436	309	637	529



XFS Dripline Maximum Lateral Lengths (Feet)						
Inlet Pressure psi	12" Spacing		18" Spacing		24" Spacing	
	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)
15	273	155	314	250	424	322
20	318	169	353	294	508	368
30	360	230	413	350	586	414
40	395	255	465	402	652	474
50	417	285	528	420	720	488
60	460	290	596	455	780	514

5 RAIN BIRD XFS-SERIES SUB-SURFACE/ON-SURFACE DRIPLINE
TYPICAL IRREGULAR SHAPED LAYOUT WITH PVC HEADER
IR-7 N.T.S.

Revisions: Designer

Date

Notes

Project Title:

HAYMEADOW-RMF-1

EAGLE, COLORADO

Job Status:

PRELIMINARY

FINAL

FOR PERMIT

CONSTRUCTION

AS-BUILDS

Drawn By:

B.G.V.

Designed By:

B.G.V.

Checked By:

M.S.

Design Date:

10-20-21

Drawing Number:

2021-0060

File Name:

2021-0060.DWG

Drawing Scale:

N.T.S.

SHEET TITLE:

Irrigation Details

Sheet No.

IR-7

Sheet:

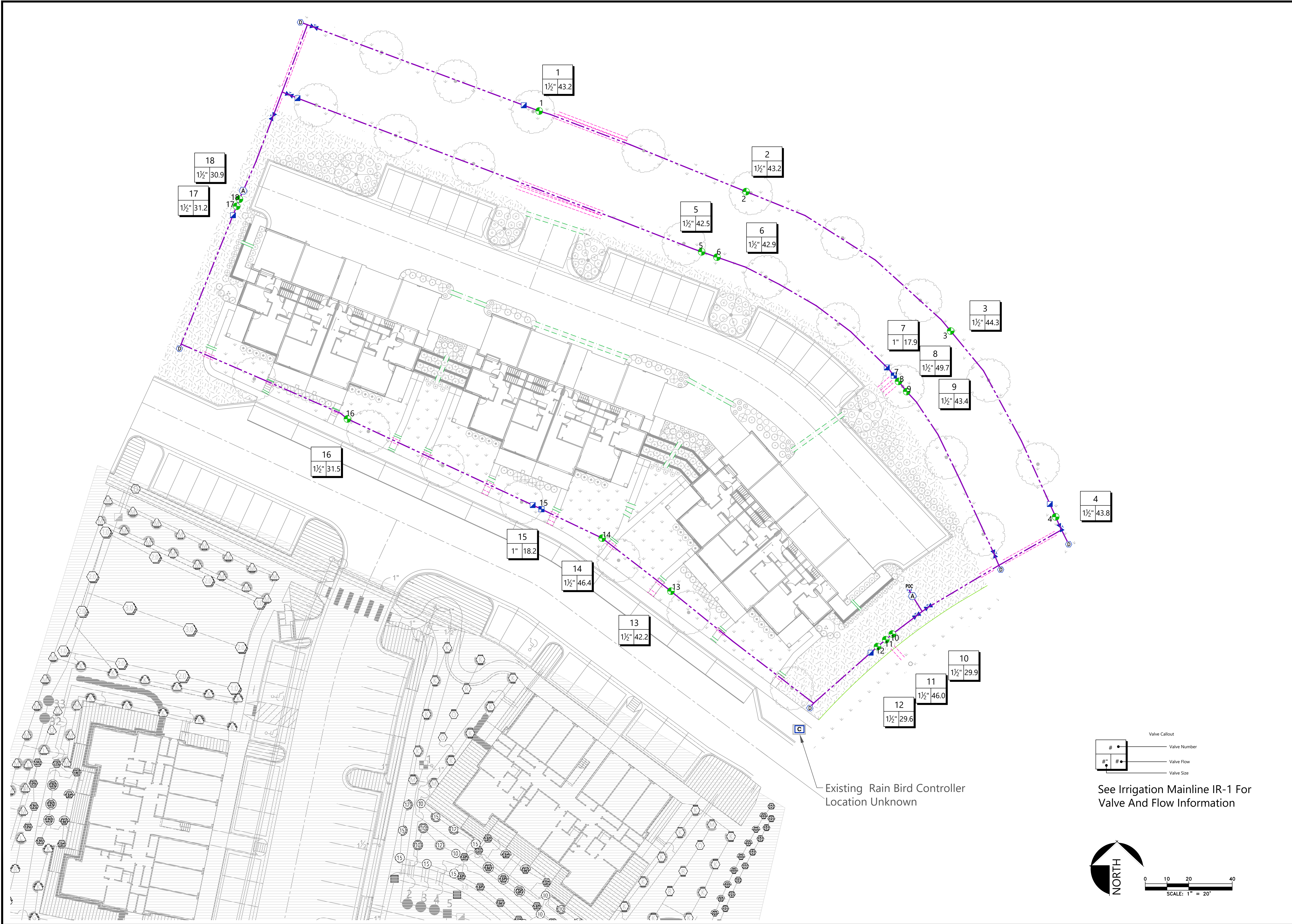
7 OF 7

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

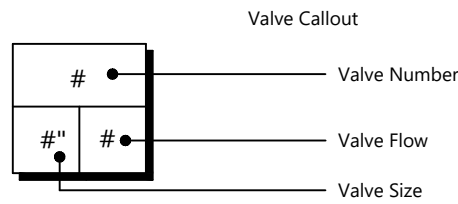
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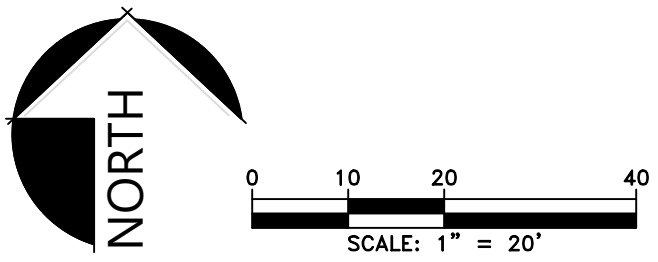
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Existing Rain Bird Controller
Location Unknown

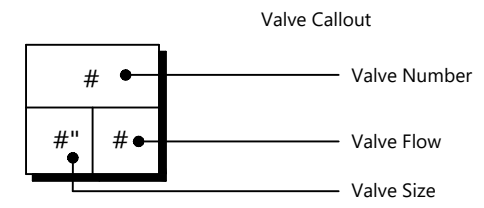
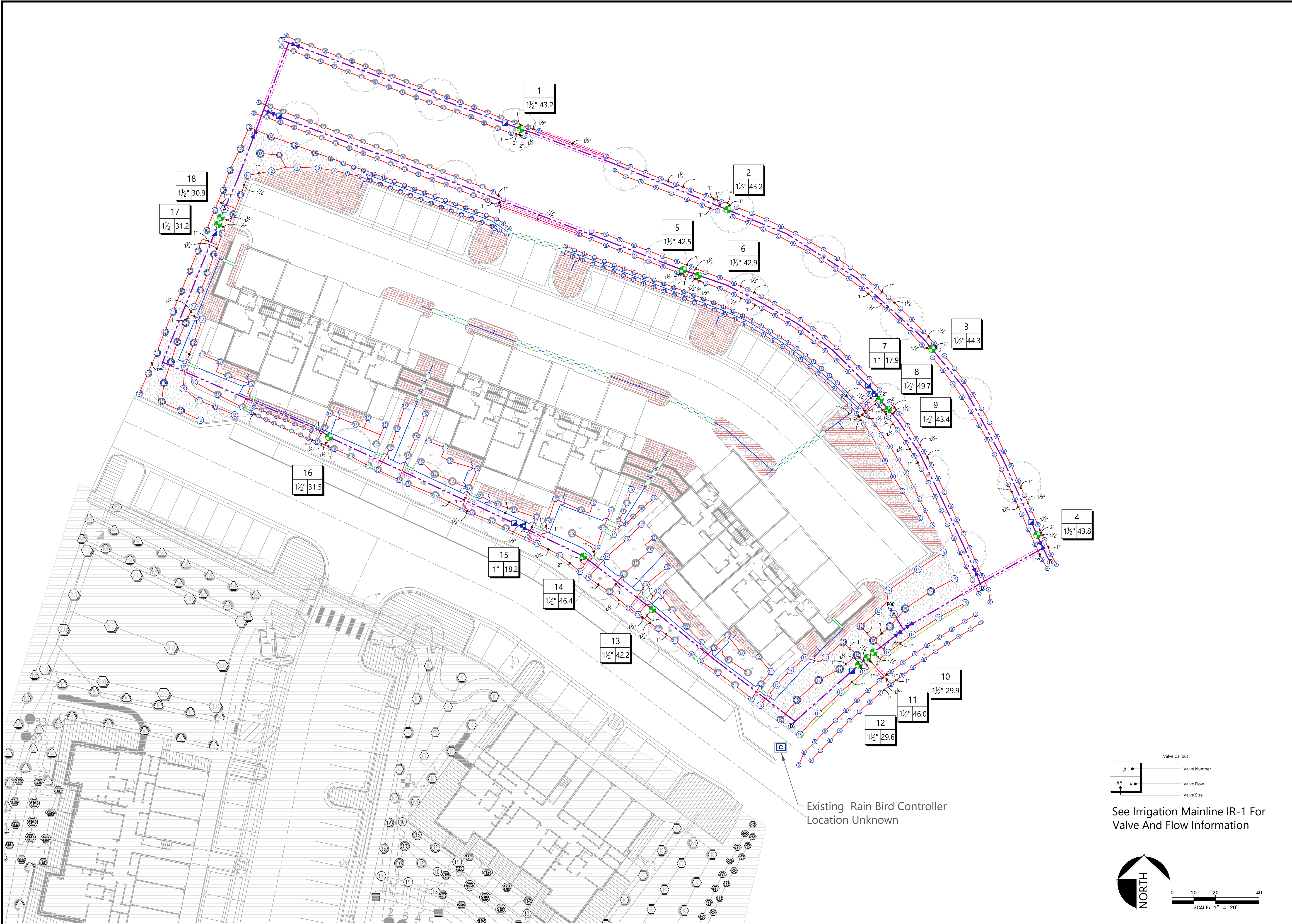


See Irrigation Mainline IR-1 For
Valve And Flow Information

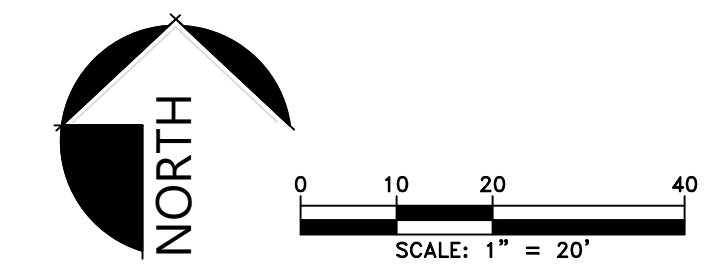


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Revisions:		
Date	Notes	Designer
Project Title:		
HAYMEADOW		
RMF-2		
EAGLE COLORADO		
Grand Junction Pipe & Supply Main Branch 2868 I-70 Bus. Loop Grand Jct, CO 81501 (970) 243-4604		
Job Status:		
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<input type="radio"/> FINAL DESIGN		
<input type="radio"/> FOR PERMIT		
<input type="radio"/> CONSTRUCTION		
<input type="radio"/> AS-BUILDS		
Drawn By:		
B.G.V.		
Designed By:		
B.G.V.		
Checked By:		
Design Date:		
12/29/2021		
Drawing Number:		
2021-0074		
File Name:		
2021-0074.DWG		
Drawing Scale:		
1"=20'		
SHEET TITLE:		
Irrigation Mainline		
Sheet No.		
IR-1		
Sheet:		
1 OF		
CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES		



See Irrigation Mainline IR-1 For Valve And Flow Information



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Revisions:		
Date	Notes	Designer

HAYMEADOW	
RMF-2	
EAGLE COLORADO	
Project Title:	
Grand Junction Pipe & Supply	Job Status:
Main Branch 2868 I-70 Bus. Loop Grand Jct, CO 81501 (970) 243-4604	● PRELIMINARY ○ FINAL DESIGN ○ FOR PERMIT ○ CONSTRUCTION ○ AS-BUILDS
	Drawn By:
	B.G.V.
	Designed By:
	B.G.V.
	Checked By:
	Design Date:
	12/29/2021
	Drawing Number:
	2021-0074
	File Name:
	2021-0074.DWG
	Drawing Scale:
	1" = 20'
SHEET TITLE:	
Irrigation Plan	
Sheet No.	
IR-2	
Sheet: 2 OF 5	
CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	ARC	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	ARC	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	ARC
Ⓐ	RAIN BIRD 1804-PRS 5 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	14	180	Ⓐ	RAIN BIRD 1804-PRS 12-VAN SERIES TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	3	ADJ	Ⓐ	RAIN BIRD 1812-PRS 10-VAN SERIES SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	3	ADJ
Ⓑ	RAIN BIRD 1804-PRS 5 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	2	90	Ⓑ	RAIN BIRD 1804-PRS 15-VAN SERIES TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	14	ADJ	Ⓑ	RAIN BIRD 1812-PRS 12-VAN SERIES SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	9	ADJ
Ⓒ	RAIN BIRD 1804-PRS 8 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	70	180	Ⓒ	RAIN BIRD 1812-PRS 5 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	63	180	Ⓒ	RAIN BIRD 1812-PRS 15-VAN SERIES SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	17	ADJ
Ⓓ	RAIN BIRD 1804-PRS 8 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	5	90	Ⓓ	RAIN BIRD 1812-PRS 5 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	2	90	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
Ⓔ	RAIN BIRD 1804-PRS 10 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	2	360	Ⓔ	RAIN BIRD 1812-PRS 8 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	1	360		RAIN BIRD XFCV-06-18 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.6 GPH EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	5,500 L.F.	
Ⓕ	RAIN BIRD 1804-PRS 10 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	7	180	Ⓕ	RAIN BIRD 1812-PRS 8 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	3	180	Ⓕ	RAIN BIRD 44-LRC 1" 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.	7	
Ⓖ	RAIN BIRD 1804-PRS 12 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	2	360	Ⓖ	RAIN BIRD 1812-PRS 10 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	4	360	Ⓖ	2" GATE VALVE ISOLATION SHUT OFF VALVE	7	
Ⓖ	RAIN BIRD 1804-PRS 12 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	10	180	Ⓖ	RAIN BIRD 1812-PRS 10 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	14	180	Ⓖ	RAIN BIRD XCZ-100-PRB-COM 1"WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3 GPM-20 GPM	2	
Ⓖ	RAIN BIRD 1804-PRS 12 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	16	90	Ⓖ	RAIN BIRD 1812-PRS 12 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	5	360	Ⓖ	RAIN BIRD PESB 1-1/2" 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS. 2" CONTINUOUS ACTING AIR RELIEF VALVE	16	
Ⓖ	RAIN BIRD 1804-PRS 15 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	3	360	Ⓖ	RAIN BIRD 1812-PRS 12 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	10	180	Ⓖ	2" DRAIN VALVE (LOCATIONS TO BE DETERMINED BY INSTALLATION CONTRACTOR AND SHOULD BE PLACED AT LOW POINTS ON THE MAIN LINE)	5	
Ⓖ	RAIN BIRD 1804-PRS 15 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	18	180	Ⓖ	RAIN BIRD 1812-PRS 12 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	2	90	Ⓖ	2" CONTINUOUS ACTING AIR RELIEF VALVE	2	
Ⓖ	RAIN BIRD 1804-PRS 15 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	15	90	Ⓖ	RAIN BIRD 1812-PRS 15 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	4	360	Ⓖ	APPROXIMATE LOCATION OF EXISTING CONTROLLER	1	
Ⓖ	RAIN BIRD 1804-PRS 4-VAN SERIES TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	2	ADJ	Ⓖ	RAIN BIRD 1812-PRS 15 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	3	180	Ⓖ	POINT OF CONNECTION 2"	1	
Ⓖ	RAIN BIRD 1804-PRS 6-VAN SERIES TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	5	ADJ	Ⓖ	RAIN BIRD 1812-PRS 4-VAN SERIES SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	4	ADJ	Ⓖ	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	3,704 L.F.	
Ⓖ	RAIN BIRD 1804-PRS 8-VAN SERIES TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	191	ADJ	Ⓖ	RAIN BIRD 1812-PRS 6-VAN SERIES SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	34	ADJ	Ⓖ	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	609.4 L.F.	
Ⓖ	RAIN BIRD 1804-PRS 10-VAN SERIES TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	2	ADJ	Ⓖ	RAIN BIRD 1812-PRS 8-VAN SERIES SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	15	ADJ	Ⓖ	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	72.6 L.F.	
								Ⓖ	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	1,190 L.F.	
								Ⓖ	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	13.0 L.F.	
								Ⓖ	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21	486.4 L.F.	
								Ⓖ	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 2"	1,005 L.F.	
								Ⓖ	PIPE SLEEVE: PVC SCHEDULE 40 4"	300 L.F.	
								Ⓖ	PIPE SLEEVE: PVC SCHEDULE 40 2"	240 L.F.	
								Ⓖ	Valve Callout		
								Ⓖ	Valve Number		
								Ⓖ	Valve Flow		
								Ⓖ	Valve Size		

IRRIGATION NOTES:

1. ALL WORK SHALL BE PER EXISTING COUNTY OR STATE CODE AND IS SUBJECT TO INSPECTION AND APPROVAL BY APPROPRIATE INSPECTORS AND OWNER REPRESENTATIVE.
2. INSTALLATION CONTRACTOR TO BE RESPONSIBLE FOR ALL INSTALLATION STANDARDS AND PRACTICES.
3. INSTALLATION CONTRACTOR TO BE RESPONSIBLE FOR ALL PERMITTING AND INSPECTION REQUIREMENTS.
4. ALL PIPE SHOULD BE SLEEVED WHEREVER CONCRETE IS TO BE OVERLAID.
5. ALL SLEEVES TO BE 2 TIMES THE DIAMETER OF THE PIPE TO BE SLEEVED.
6. ALL MAIN LINE SLEEVES TO HAVE AN ADDITIONAL SLEEVE AT SAME FOR CONTROL WIRES
7. WIRE SPLICES TO BE LOCATED IN A VALVE BOX AT LEAST 10" (INCH) ROUND OR LARGER
8. MAIN LINE TO BE BURIED MINIMUM OF 18" TO TOP MAIN LINE OF PIPE.
9. MAIN LINE PIPES LARGER THAN 3" SHALL HAVE THRUST BLOCKS AT ALL INTERSECTIONS AND DIRECTIONAL CHANGES.
10. IRRIGATION PLAN IS DIAGRAMMATIC. ANY COMPONENTS SHOWN ON PLAN OUTSIDE OF LANDSCAPE ARE SHOWN FOR ILLUSTRATION CLARIFICATION ONLY.
11. SWING PIPE SHALL BE USED ON ALL SPRINKLER HEADS WITH A FLOW UNDER 6 GPM, WITH MAXIMUM LENGTH OF SWING PIPE NO LONGER THAN 5'(FOOT). ALL SPRINKLER HEADS WITH A FLOW OVER 6 GPM SHALL BE INSTALLED WITH SWING JOINTS
12. ISOLATION VALVES TO BE LOCATED IN 10" (INCH) ROUND VALVE BOX OR LARGER.
13. FOR OBSTRUCTIONS (ELECTRICAL TRANSFORMERS, TREES, FIRE HYDRANTS, ETC.) THAT WILL INTERFERE WITH PROPER COVERAGE OF SPRINKLER HEADS, WILL REQUIRE THE ADDITION OF PROPERLY PATTERNED HEADS AROUND OBSTRUCTION IN ORDER TO PROVIDE REQUIRED HEAD TO HEAD COVERAGE TO ALL IRRIGATED AREAS.
14. SPRINKLER HEADS TO BE SET PERPENDICULAR TO FINISHED GRADE AND ADJUSTED TO PREVENT OVER SPRAY ONTO NON IRRIGATED AREAS.
15. LATERALS ARE SIZED AT TRANSITIONS ONLY, SEGMENTS THAT ARE NOT NOTED WILL BE THE SAME SIZE AS ADJACENT SEGMENTS. UP STREAM SEGMENTS WILL NEVER BE SMALLER THAN ANY DOWN STREAM SEGMENTS ON THE SAME LATERAL.

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	DESIGN PSI	FRICTION LOSS	VALVE LOSS	PSI	PSI @ POC	PRECIP
1	RAIN BIRD PESB	1-1/2"	TURF AREA SPRAY	43.25	30	1.78	3.53	35.32	37.29	2.68 in/h
2	RAIN BIRD PESB	1-1/2"	TURF AREA SPRAY	43.25	30	1.96	3.53	35.49	37.44	2.68 in/h
3	RAIN BIRD PESB	1-1/2"	TURF AREA SPRAY	44.32	30	1.37	3.54	34.91	36.58	4.12 in/h
4	RAIN BIRD PESB	1-1/2"	TURF AREA SPRAY	43.75	30	1.17	3.54	34.7	35.64	4.19 in/h
5	RAIN BIRD PESB	1-1/2"	TURF AREA SPRAY	42.53	30	1.81	3.53	35.34	37.11	2.69 in/h
6	RAIN BIRD PESB	1-1/2"	TURF AREA SPRAY	42.90	30	1.31	3.53	34.84	36.62	4.29 in/h
7	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	17.91	30	1.42	18.53	49.95		0.62 in/h
8	RAIN BIRD PESB	1-1/2"	NATIVE AREA SPRAY	49.69	30	1.11	3.6	34.71	36.45	3.4 in/h
9	RAIN BIRD PESB	1-1/2"	TURF AREA SPRAY	43.44	30	1.17	3.53	34.7	36.01	4.43 in/h
10	RAIN BIRD PESB	1-1/2"	NATIVE AREA SPRAY	29.89	30	0.86	3.6	34.47	34.61	1.49 in/h
11	RAIN BIRD PESB	1-1/2"	TURF AREA SPRAY	45.97	30	0.62	3.56	34.18	34.56	4.69 in/h
12	RAIN BIRD PESB	1-1/2"	NATIVE AREA SPRAY	29.60	30	0.63	3.61	34.24	34.44	1.77 in/h
13	RAIN BIRD PESB	1-1/2"	TURF AREA SPRAY	42.19	30	0.75	3.52	34.27	35.62	1.91 in/h
14	RAIN BIRD PESB	1-1/2"	TURF AREA SPRAY	46.44	30	1.03	3.56	34.6	36.45	1.86 in/h
15	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	18.24	30	0.93	19.16	50.09		0.81 in/h
16	RAIN BIRD PESB	1-1/2"	TURF AREA SPRAY	31.49	30	0.74	3.59	34.32	35.41	1.6 in/h
17	RAIN BIRD PESB	1-1/2"	NATIVE AREA SPRAY	31.23	30	0.86	3.59	34.44	35.43	1.8 in/h
18	RAIN BIRD PESB	1-1/2"	NATIVE AREA SPRAY	30.93	30	1.43	3.59	35.02	35.98	1.77 in/h

WATERING SCHEDULE

NUMBER	MODEL	TYPE	PRECIP	IN/WEEK	MIN/WEEK	GAL/WEEK	GAL/DAY
1	RAIN BIRD PESB	TURF AREA SPRAY	2.68 in/h	1	23	994.7	331.6
2	RAIN BIRD PESB	TURF AREA SPRAY	2.68 in/h	1	23	994.7	331.6
3	RAIN BIRD PESB	TURF AREA SPRAY	4.12 in/h	1	15	664.8	221.6
4	RAIN BIRD PESB	TURF AREA SPRAY	4.19 in/h	1	15	656.3	218.8
5	RAIN BIRD PESB	TURF AREA SPRAY	2.69 in/h	1	23	978.1	326.0
6	RAIN BIRD PESB	TURF AREA SPRAY	4.29 in/h	1	14	600.5	200.2
7	RAIN BIRD XCZ-100-PRB-COM	AREA FOR DRIPLINE	0.62 in/h	1	97	1,737	579.1
8	RAIN BIRD PESB	NATIVE AREA SPRAY	3.4 in/h	1	18	894.5	298.2
9	RAIN BIRD PESB	TURF AREA SPRAY	4.43 in/h	1	14	608.2	202.7
10	RAIN BIRD PESB	NATIVE AREA SPRAY	1.49 in/h	1	41	1,226	408.6
11	RAIN BIRD PESB	TURF AREA SPRAY	4.69 in/h	1	13	597.6	199.2
12	RAIN BIRD PESB	NATIVE AREA SPRAY	1.77 in/h	1	34	1,006	335.4
13	RAIN BIRD PESB	TURF AREA SPRAY	1.91 in/h	1	32	1,350	450.0
14	RAIN BIRD PESB	TURF AREA SPRAY	1.86 in/h	1	33	1,532	510.8
15	RAIN BIRD XCZ-100-PRB-COM	AREA FOR DRIPLINE	0.81 in/h	1	75	1,368	456.0
16	RAIN BIRD PESB	TURF AREA SPRAY	1.6 in/h	1	38	1,196	398.8
17	RAIN BIRD PESB	NATIVE AREA SPRAY	1.8 in/h	1	34	1,062	354.0
18	RAIN BIRD PESB	NATIVE AREA SPRAY	1.77 in/h	1	34	1,051	350.5
TOTALS:					576	18,519	6,173

Watering schedule based on 1" of water per week on a three day watering cycle. This is for example only and watering days and quantities may change based on plant type and requirements. This should be determined by landscaper and plant suppliers.

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Revisions:
Date Notes Designer

HAYMEADOW

RMF-2

EAGLE COLORADO

Project Title:

Grand Junction

Pipe & Supply

Main Branch

2868 I-70 Bus. Loop

Grand Jct, CO 81501

(970) 243-4604



Job Status:

PRELIMINARY

FINAL DESIGN

FOR PERMIT

CONSTRUCTION

AS-BUILDS

Drawn By:
B.G.V.

Designed By:
B.G.V.

Checked By:

Design Date:
12/29/2021

Drawing Number:
2021-0074

File Name:
2021-0074.DWG

Drawing Scale:
N.T.S.

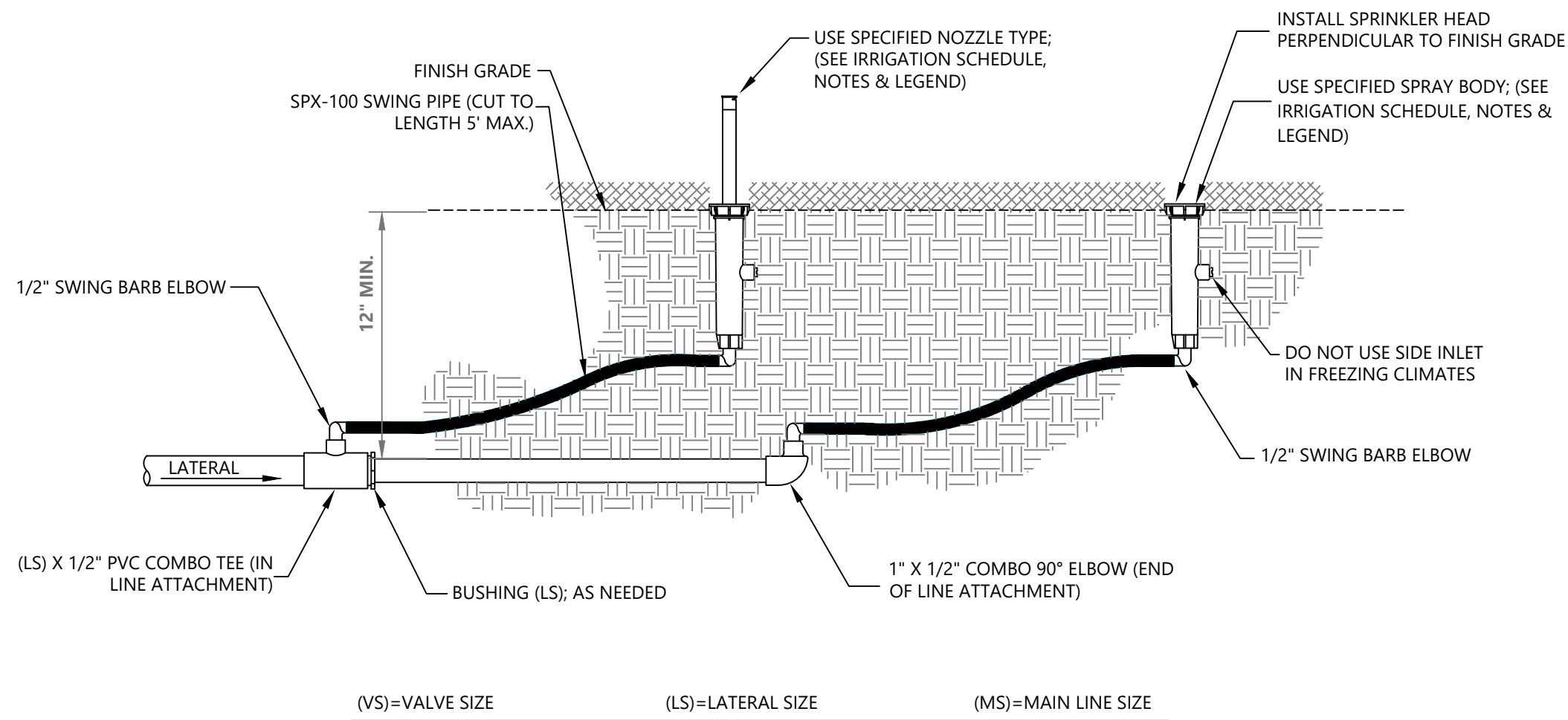
SHEET TITLE:
Irrigation Notes
and Schedules

Sheet No.
IR-3

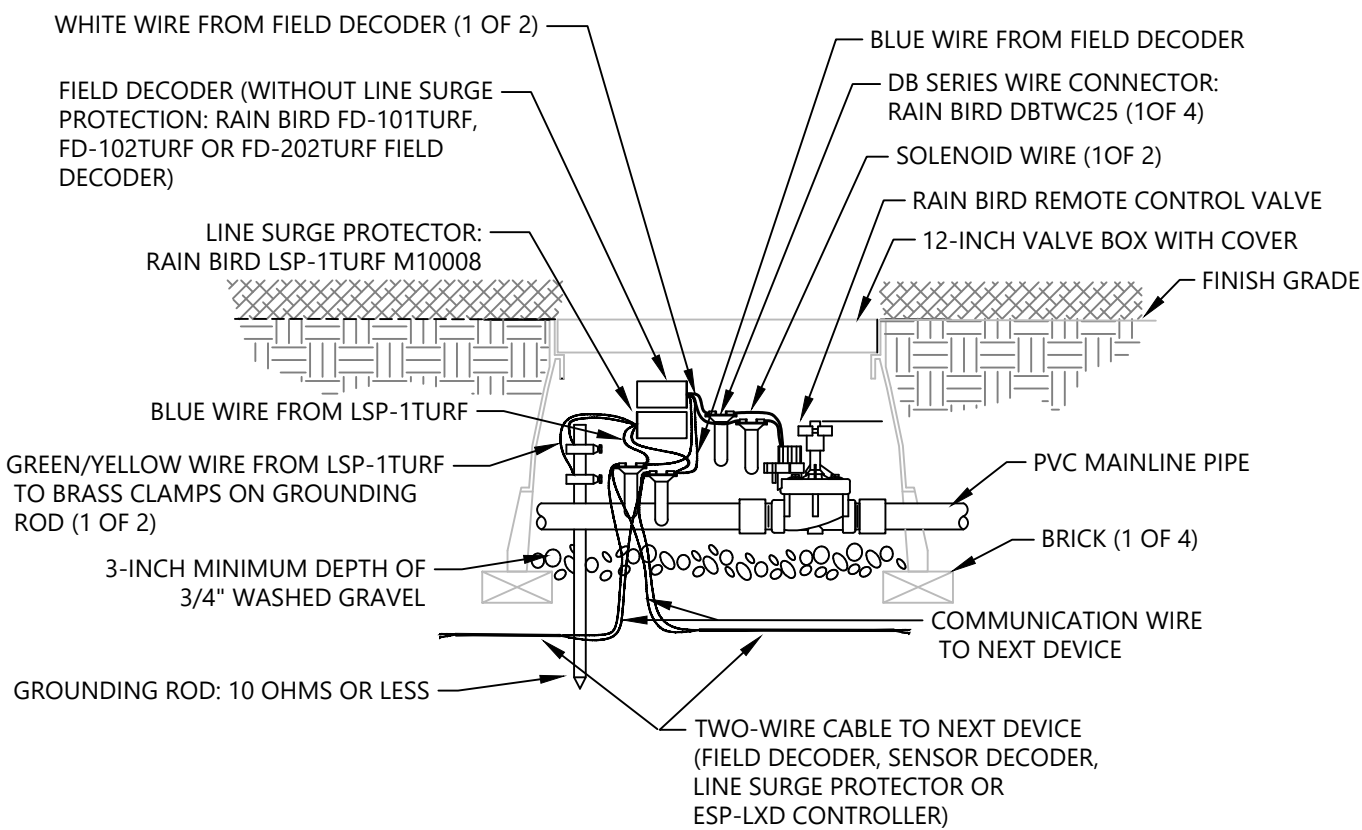
Sheet: 3 OF 5



CALL 2 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

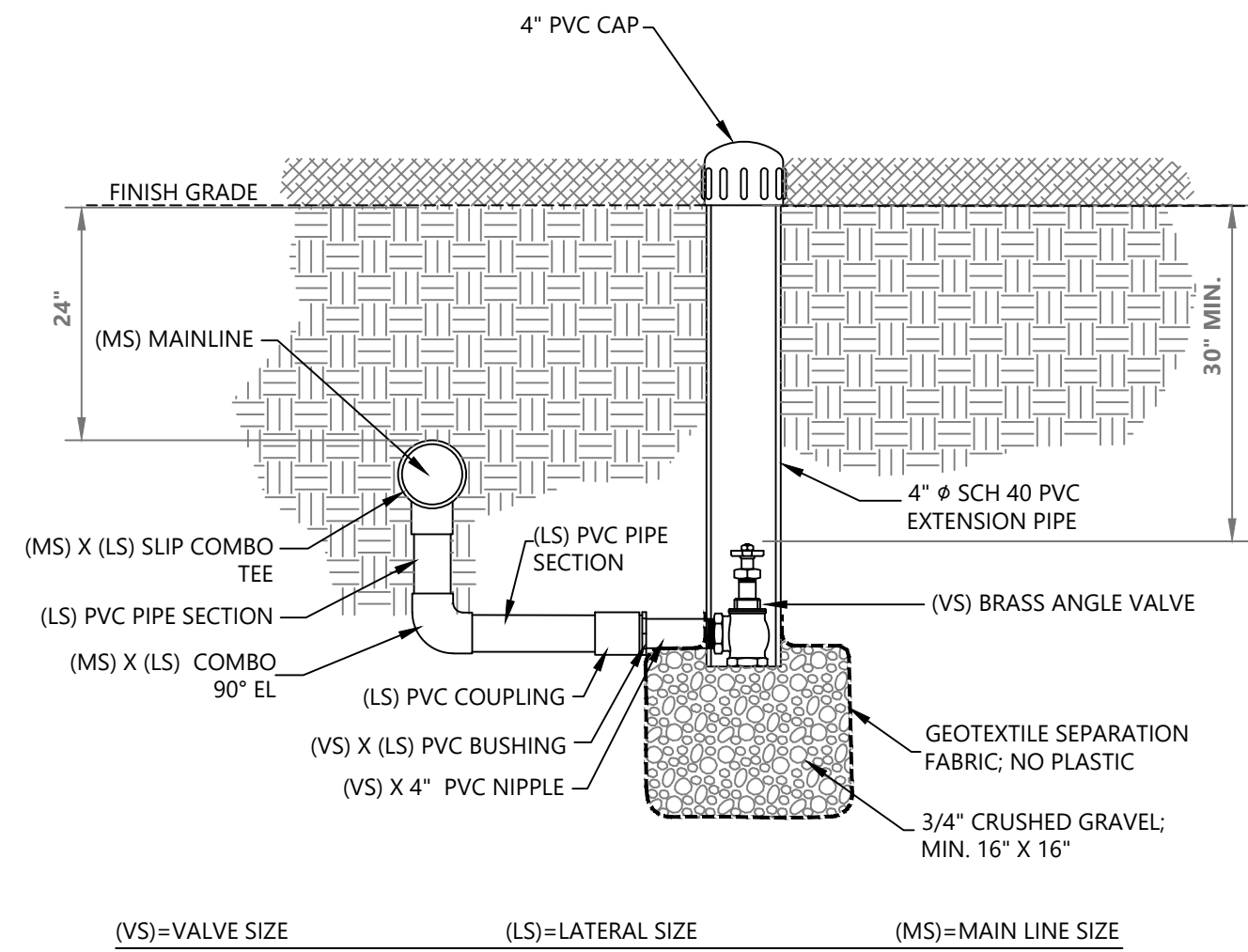


1
IR-4 | **SPRAY BODY ON SWING PIPE**
N.T.S.

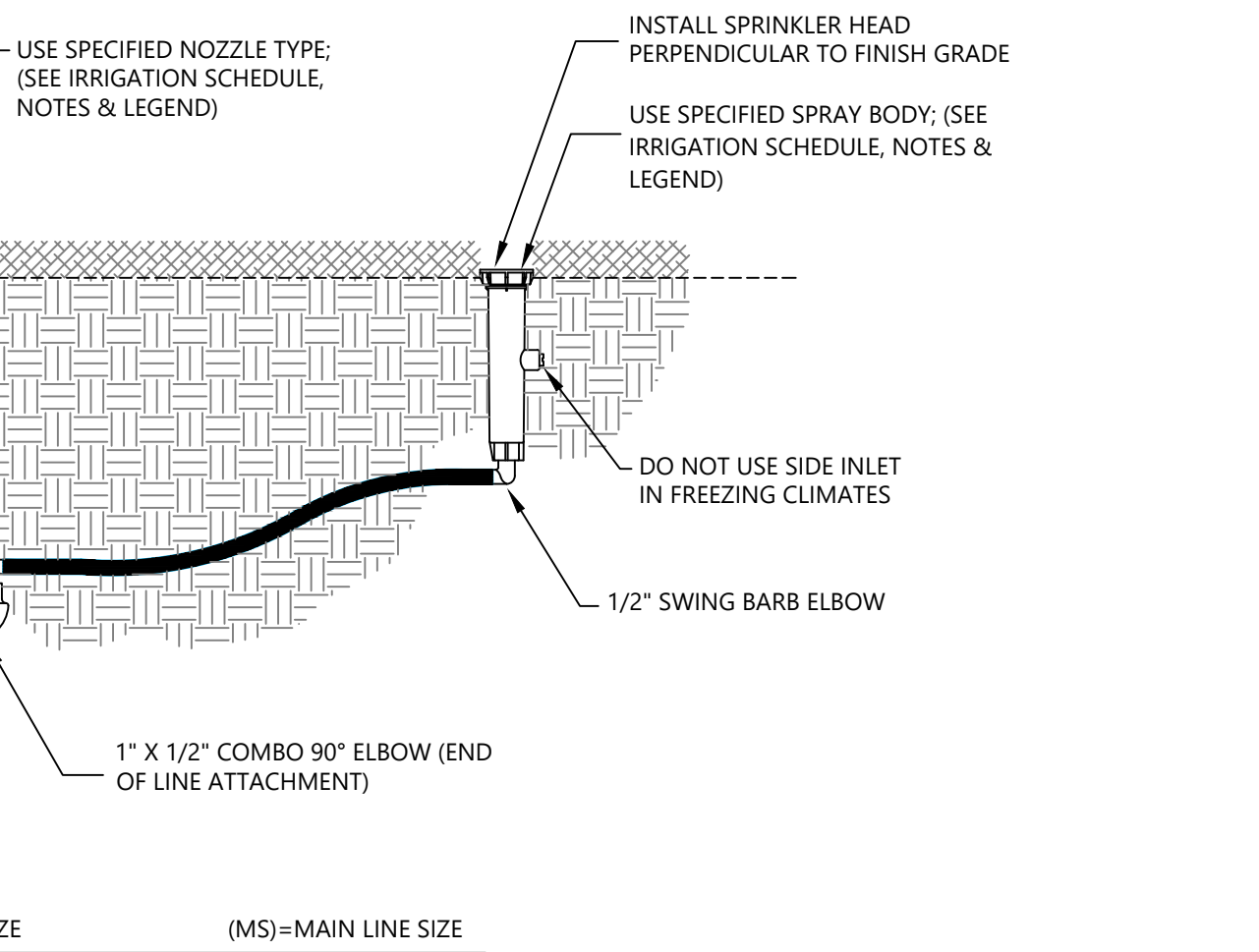


- NOTES:
1. LSP-1TURF SHOULD BE INSTALLED EVERY 500 FEET OR FOR EVERY EIGHT DECODERS ON TWO-WIRE PATH.
 2. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM DECODER TO SOLENOID IS 450 FEET.
 3. PLACE 3 FEET OF EXTRA WIRE IN EVERY VALVE BOX FOR EASIER SERVICING.
 4. RAIN BIRD FD-401 TURF AND FD-601 TURF FIELD DECODERS COME WITH LSP-1 TURF'S BUILT-IN, FD-101 TURF, FD-102 TURF AND FD-202 TURF REQUIRE SEPERATE LSP-1 TURF SURGE PROTECTIONS.

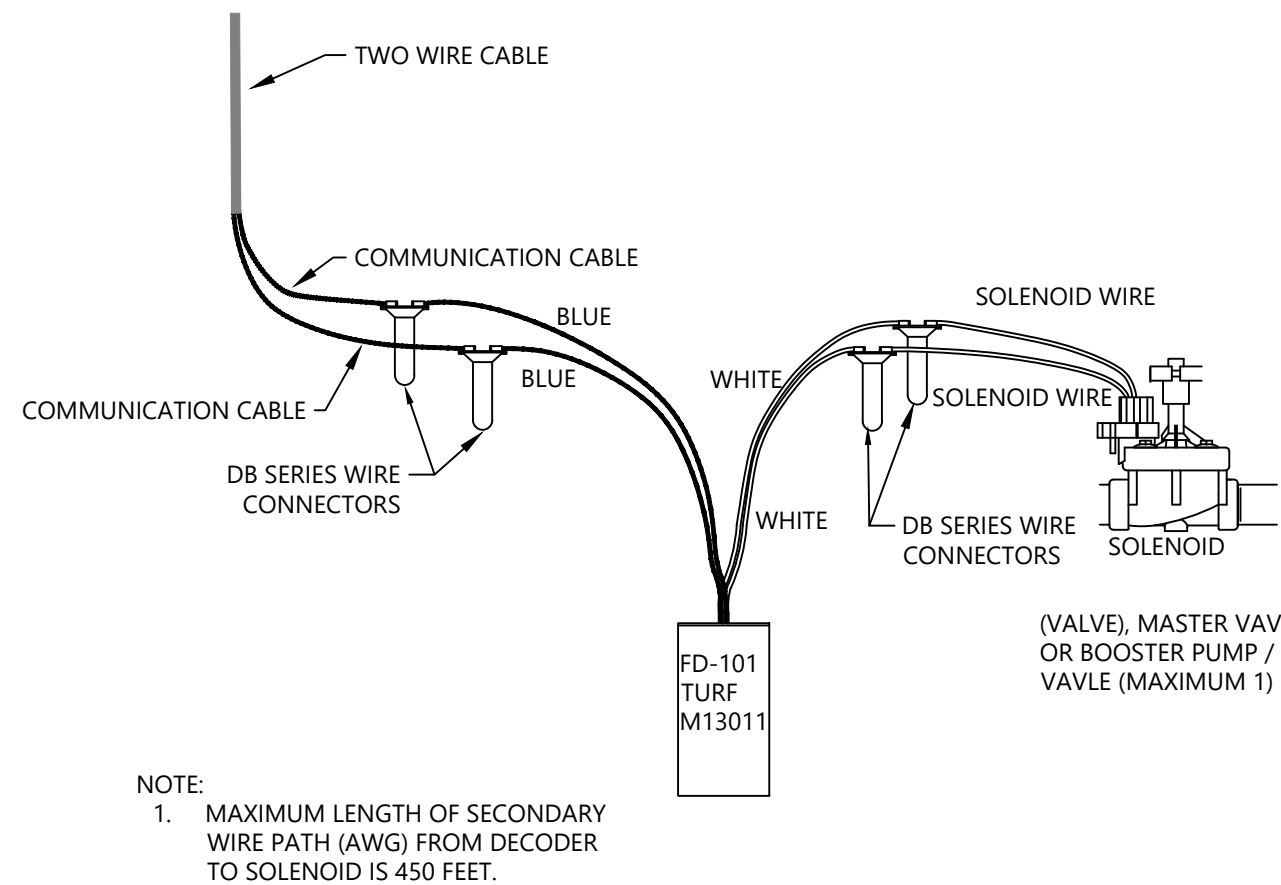
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IR-4 | **LSP-1TURF AND FIELD DECODER CONNECTION**
N.T.S.



7
IR-4 | **BRASS ANGLE DRAIN VALVE**
N.T.S.

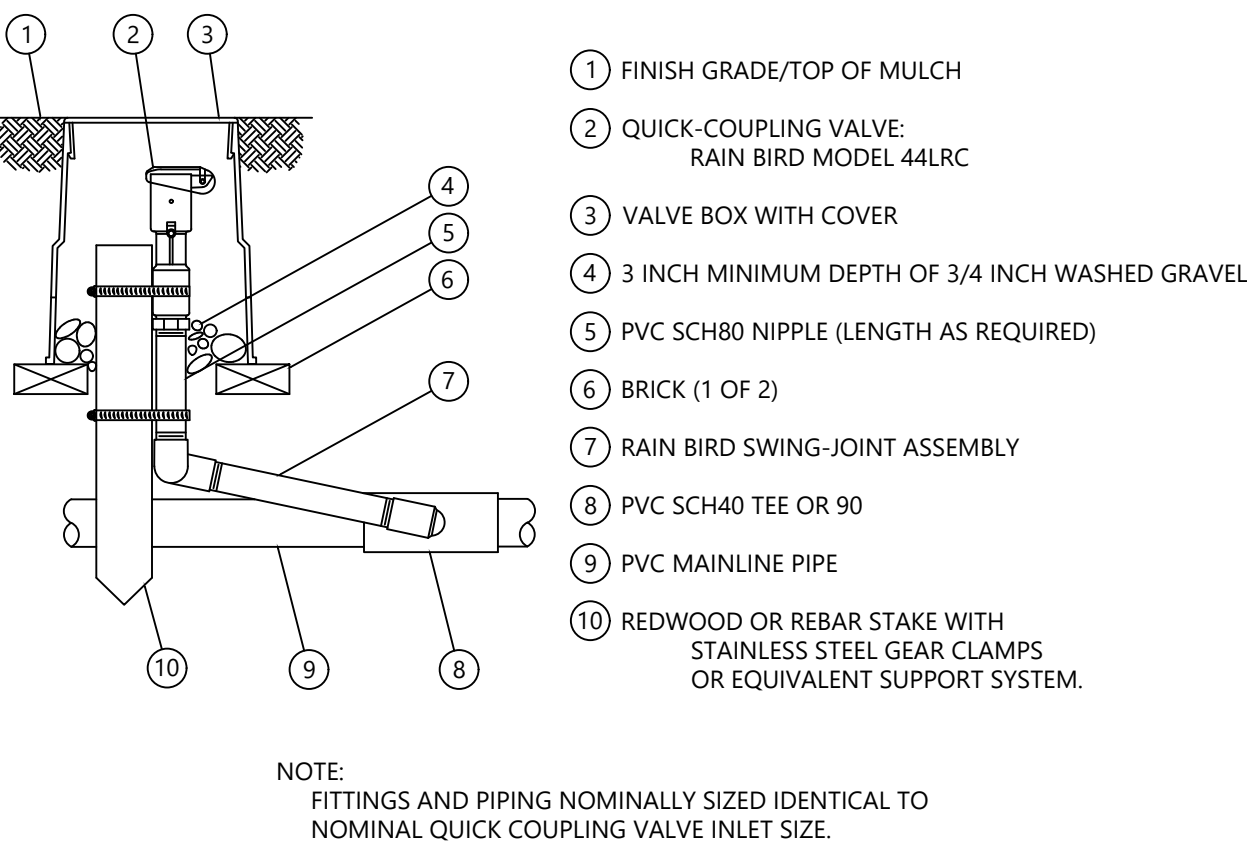


2
IR-4 | **RAINBIRD CONTROL VALVE W/ DECODER**
N.T.S.



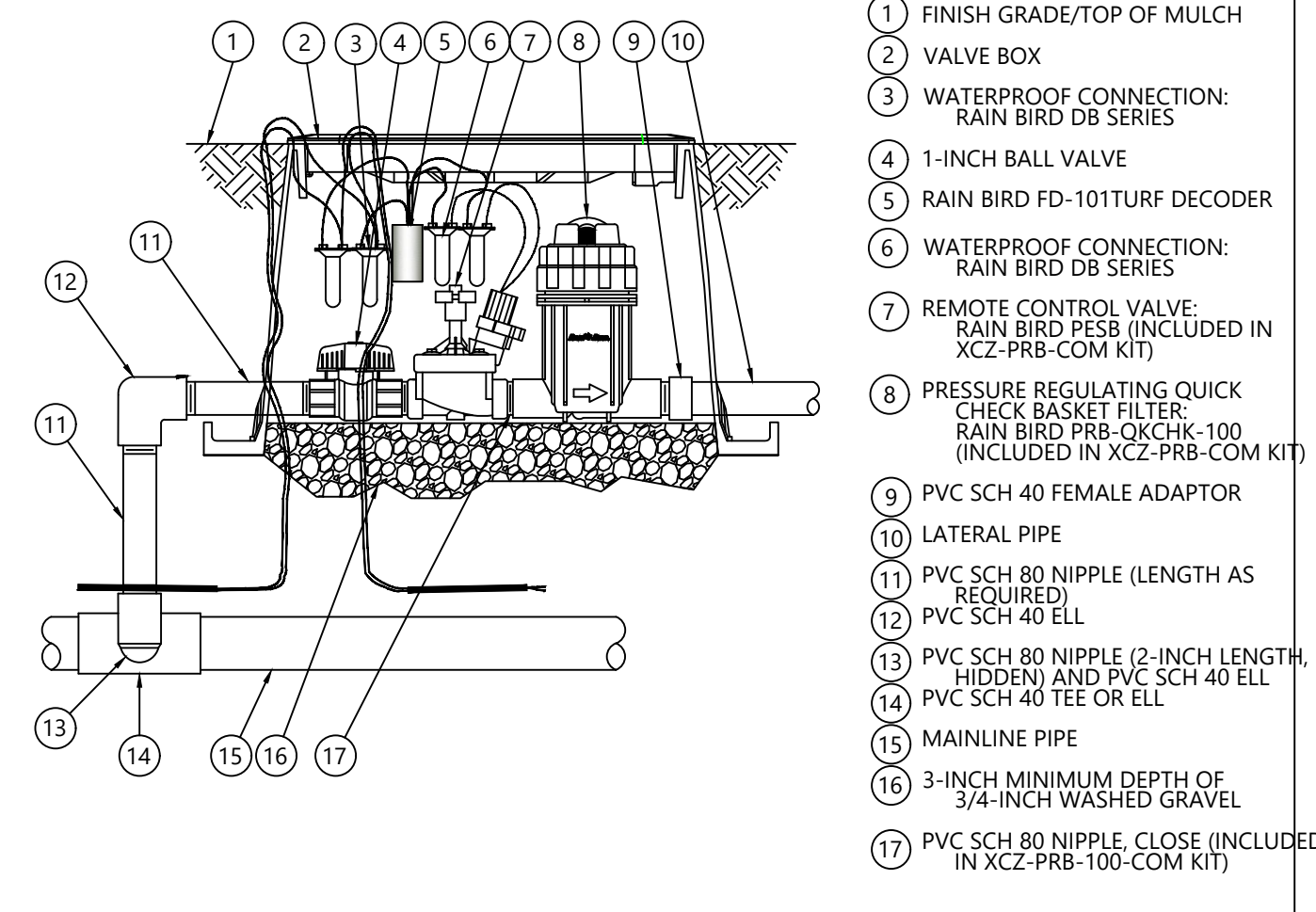
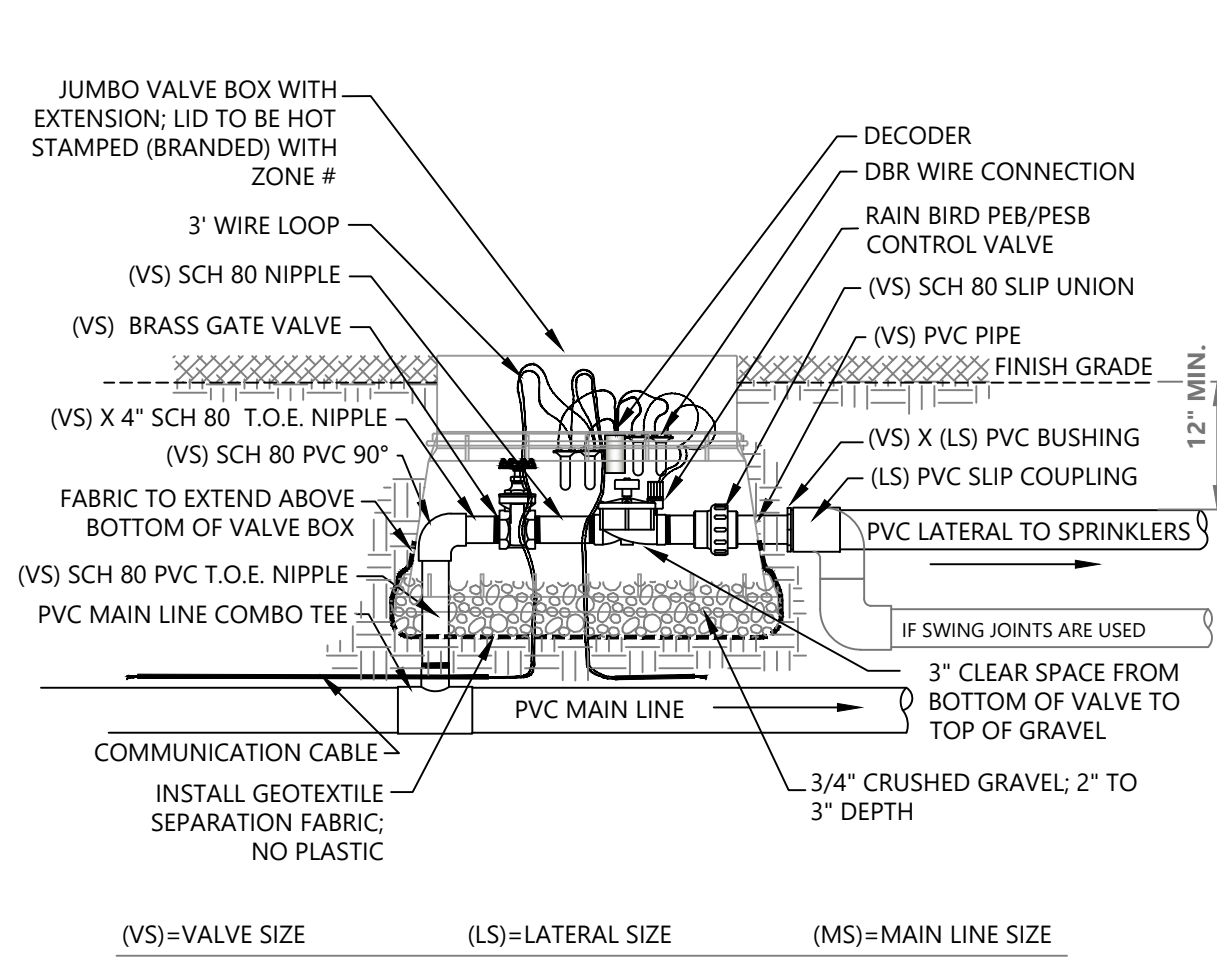
- NOTE:
1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (AWG) FROM DECODER TO SOLENOID IS 450 FEET.

5
IR-4 | **FD-101 TURF DECODER WIRING DIAGRAM**
N.T.S.

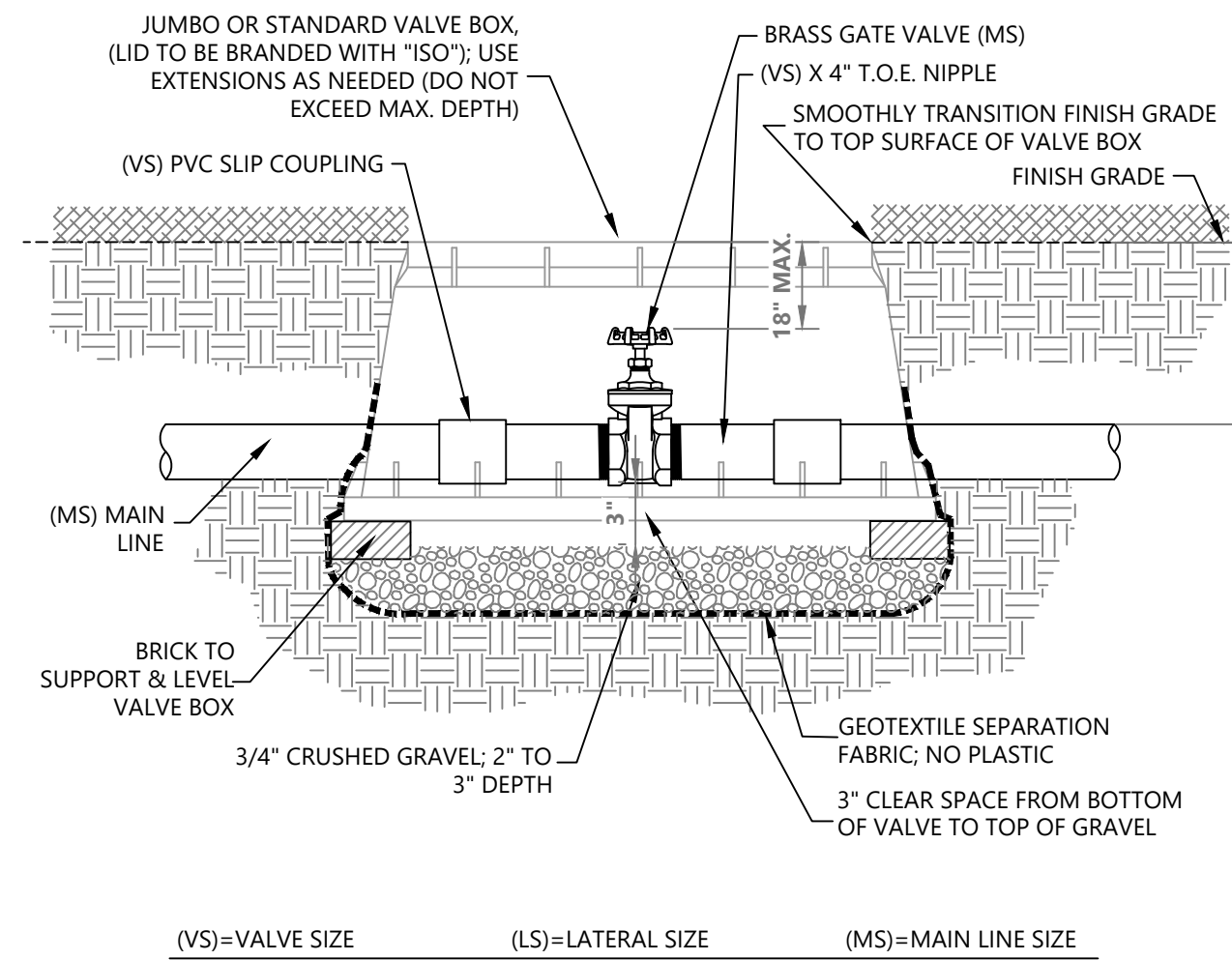


NOTE:
FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

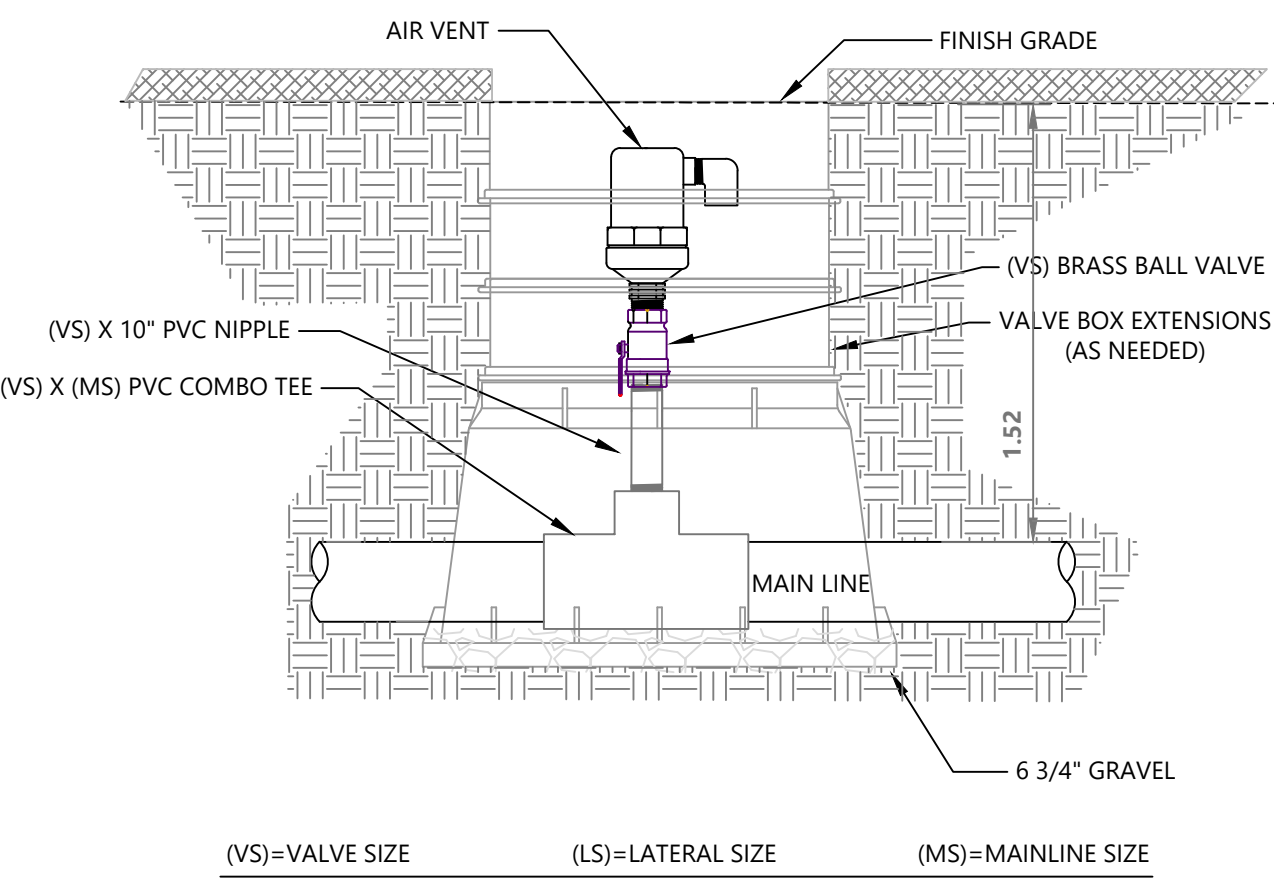
8
IR-4 | **RAIN BIRD QUICK-COUPLING VALVE - 44LRC**



3
IR-4 | **RAIN BIRD XCZ-100-PRB-LC DRIP CONTROL KIT**
N.T.S.



6
IR-4 | **BRASS ISOLATION VALVE**
N.T.S.



9
IR-4 | **AIR VENT**
N.T.S.

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Date	Revisions: Notes	Designer

HAYMEADOW
RMF-2
EAGLE COLORADO

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Sheet:
4 OF 5

COLORADO 811
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