

WATER REQUIREMENT

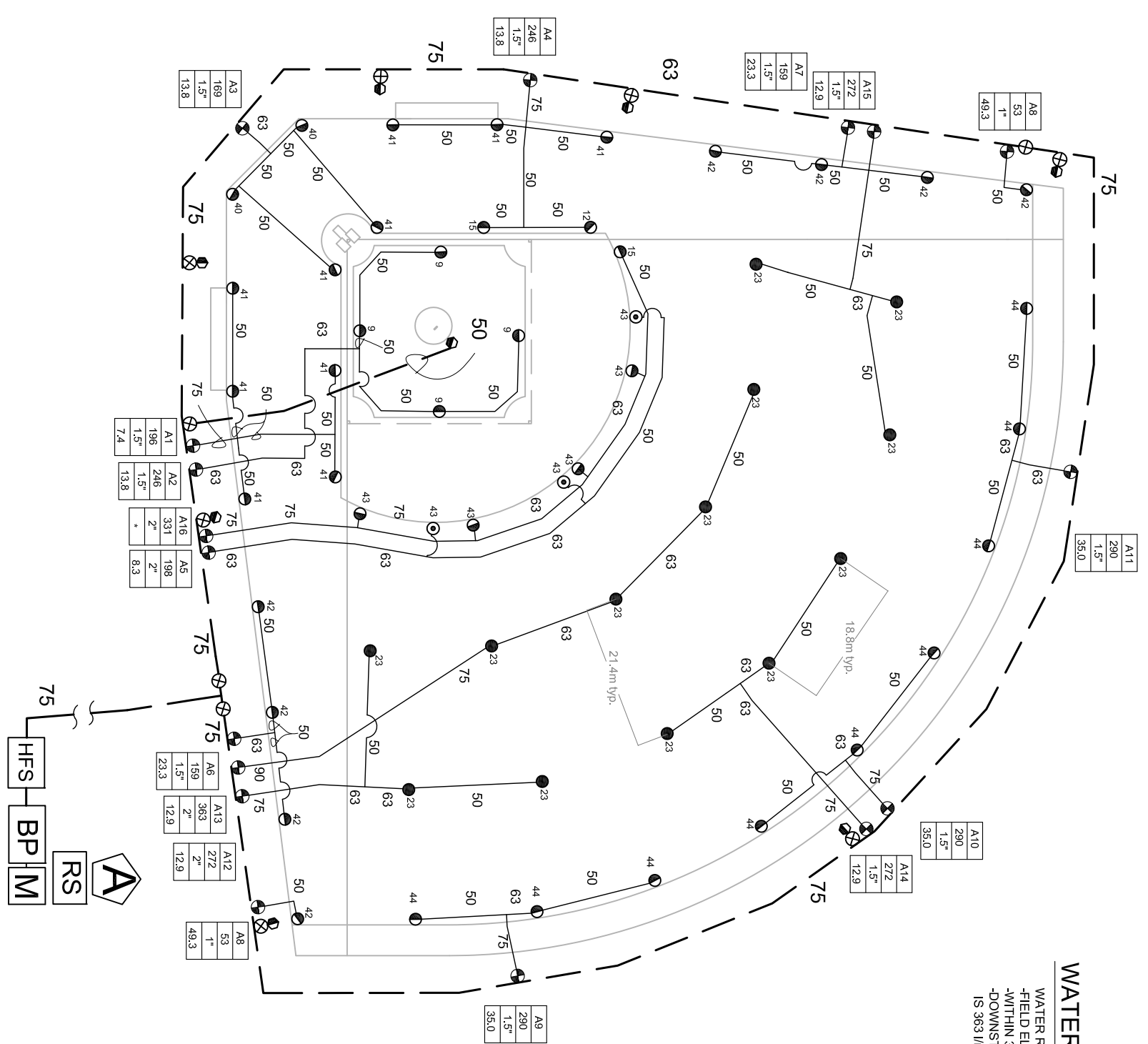
WATER REQUIREMENT AT
-FIELD ELEVATION
-WITHIN 30m OF FIELD
-DOWNSTREAM OF BACKFLOW
IS 363 l/min @ 5.96 Bars

IRRIGATION LEGEND

- PRODUCT DESCRIPTION**
- HUNTER I-40-04-SS-ON-B-XX/I-40-06-SS-ON-B-XX, NOZZLE AS SHOWN
 - HUNTER I-40-04-SS-B-XX/I-40-06-SS-B-XX, NOZZLE AS SHOWN
 - HUNTER I-40-04-SS-B-43/I-40-06-SS-B-43, NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- #40 @ 5.0 Bars - 35.5 l/min 14.3m RADIUS
 - #41 @ 5.5 Bars - 49.1 l/min 16.2m RADIUS
 - #42 @ 5.5 Bars - 52.9 l/min 17.1m RADIUS
 - #43 @ 5.5 Bars - 66.1 l/min 18.6m RADIUS
 - #44 @ 5.5 Bars - 96.6 l/min 20.4m RADIUS
 - #23 @ 5.5 Bars - 90.8 l/min 20.4m RADIUS
- HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
- HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
- HUNTER ACC-1800-M SOLID STATE METAL CABINET CONTROLLER
- HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
- WATER METER MINIMUM SIZE @ 363 l/min IS 63mm
- BACKFLOW PREVENTER SIZED TO SYSTEM l/min
- MAINLINE PIPE
- LATERAL PIPE
- SLEEVING
- ⊗ ISOLATION VALVE LINE SIZED
- ⊗ HUNTER FLOW SENSOR IN LINE SIZED FLOW CLIK TEE "FCT"

IRRIGATION NOTES

1. SPRINKLER LOCATIONS ARE TO SCALE
2. PIPE LOCATIONS ARE DIAGRAMMATIC
3. ALL SPRINKLERS TO BE INSTALLED ON 32mm SCH 80 SWING JOINTS
4. ALL COMPONENTS TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
5. MAINLINE DEPTH TO BE NO LESS THAN 460mm
6. LATERAL DEPTH TO BE NO LESS THAN 410mm
7. ELECTRIC CONTROL VALVES TO BE COVERED WITH 12" VALVE BOX
8. LOCATE VALVES/QCV'S OUT OF HIGH TRAFFIC AREAS
9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
10. QCV TO BE LOCATED IN 10" VALVE BOX
11. ALL SLEEVES TO BE 2X PIPE RUN THROUGH THEM
12. INSTALL ALL COMPONENTS AS PER LOCAL, STATE, FEDERAL CODES
13. REFER TO HUNTER INSTALLATION DETAILS
14. REFER TO HUNTER CATALOG FOR PERFORMANCE SPECIFICATIONS
15. ADD HUNTER "FS" FOR DIRTY WATER VALVE
16. ADD HUNTER "AS" FOR PRESSURE REGULATED VALVE

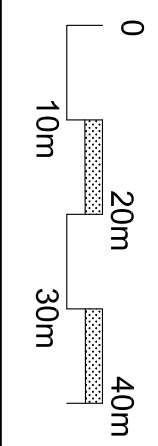


VALVE ID GUIDE

A1	STATION NUMBER
273	1.5"
19.0	PRECIPITATION RATE mm/hr

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW	PR	DU	SC _(10% WINDOW)
A1	1.5"	11.8	196	7.4	1.3
A2	1.5"	14.8	246	13.8	1.2
A3	1.5"	10.1	169	13.8	1.3
A4	1.5"	14.8	246	13.8	1.2
A5	2"	11.9	198	8.3	1.1
A6	1.5"	9.5	159	23.3	1.1
A7	1.5"	9.5	159	23.3	1.1
A8	2-1"	6.4	106	49.3	1.3
A9	1.5"	17.4	290	35.0	1.3
A10	1.5"	17.4	290	35.0	1.3
A11	1.5"	17.4	290	35.0	1.3
A12	1.5"	16.3	272	12.9	1.3
A13	2"	21.8	363	12.9	1.3
A14	1.5"	16.3	272	12.9	1.3
A15	1.5"	16.3	272	12.9	1.3
A16	1.5"	19.9	331	*	1.3



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WATER REQUIREMENT

WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30m OF FIELD
 -DOWNSTREAM OF BACKFLOW
 IS 431 l/min @ 6.26 Bars

IRRIGATION LEGEND

- PRODUCT DESCRIPTION**
- HUNTER I-25-04-SS-B-XX/I-25-06-SS-B-XX, NOZZLE AS SHOWN
 - HUNTER I-25-04-SS-B-XX/I-25-06-SS-B-XX, NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- #8 @ 4.0 Bars - 34.2 l/min 15.2m RADIUS
 - #13 @ 5.5 Bars - 54.0 l/min 16.8m RADIUS
 - #15 @ 5.5 Bars - 61.5 l/min 17.7m RADIUS
 - #23 @ 5.5 Bars - 96.3 l/min 20.1m RADIUS
 - #28 @ 5.5 Bars - 108.6 l/min 21.3m RADIUS
- ⊕ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - ⊖ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - ⊕ HUNTER IC-1200-M SOLID STATE METAL CABINET CONTROLLER
 - ⊕ HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
 - ⊕ WATER METER MINIMUM SIZE @ 431 l/min IS 63mm
 - ⊕ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - ⊕ MAINLINE PIPE
 - ⊕ LATERAL PIPE
 - ⊕ SLEEVING
 - ⊗ ISOLATION VALVE LINE SIZED

IRRIGATION NOTES

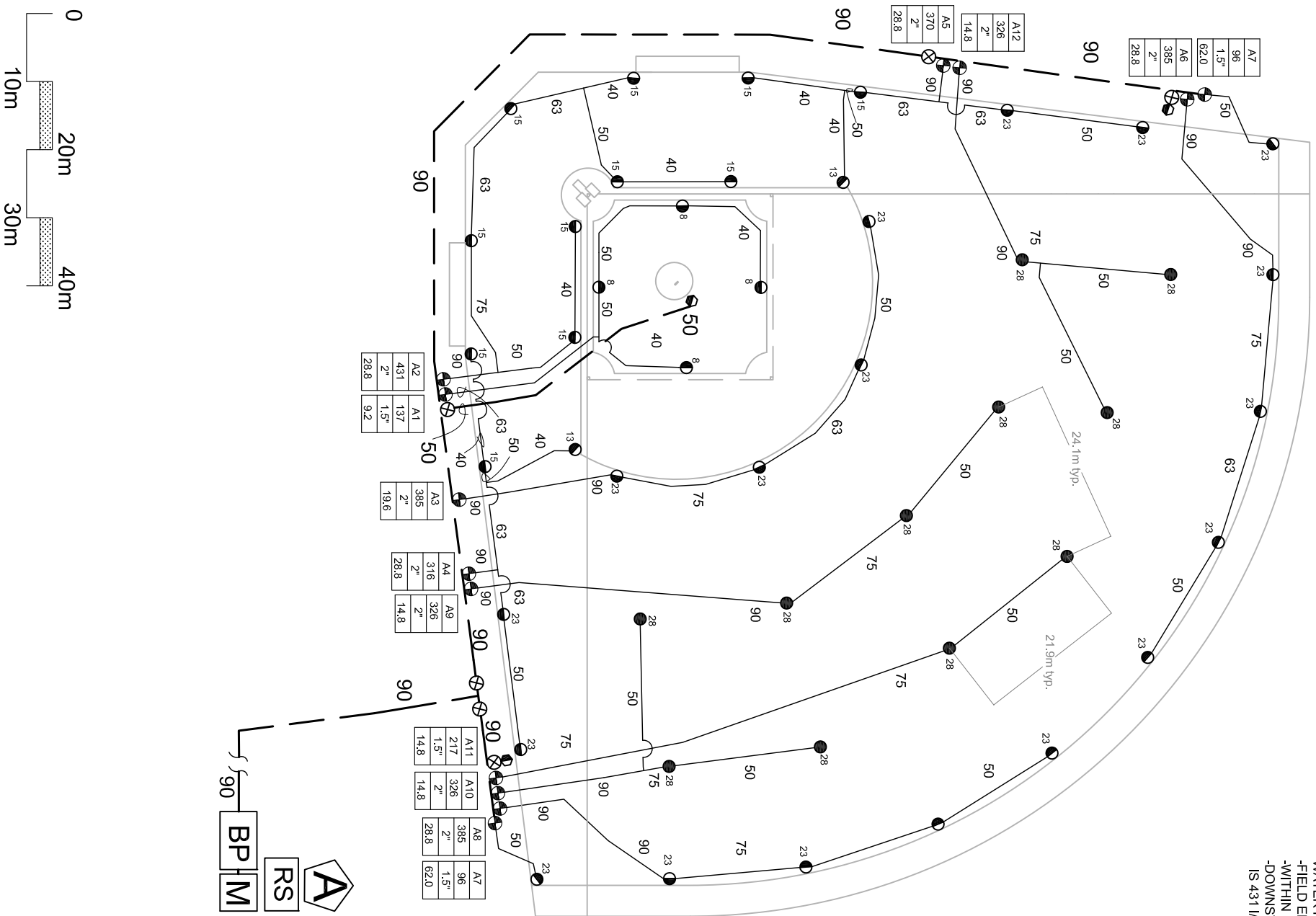
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5. MAINLINE DEPTH TO BE NO LESS THAN 460mm
6. LATERAL DEPTH TO BE NO LESS THAN 410mm
7. ELECTRIC CONTROL VALVES TO BE COVERED WITH 12" VALVE BOX
8. LOCATE VALVES/QCV'S OUT OF HIGH TRAFFIC AREAS
9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
10. QCV TO BE LOCATED IN 10" VALVE BOX
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14. REFER TO HUNTER CATALOG FOR PERFORMANCE SPECIFICATIONS
15. ADD HUNTER "FS" FOR DIRTY WATER VALVE
16. ADD HUNTER "AS" FOR PRESSURE REGULATED VALVE

VALVE ID GUIDE

A1	STATION NUMBER	ZONE	SIZE	FLOW	PR	DU	SC _(10% WINDOW)
273	1.5"	mm/hr	l/min	mm/hr	DU	SC _(10% WINDOW)	
1.5"	VALVE SIZE						
19.0	PRECIPITATION RATE mm/hr						

SYSTEM PERFORMANCE DATA

A1	STATION NUMBER	ZONE	SIZE	FLOW	PR	DU	SC _(10% WINDOW)
A1	1.5"	mm/hr	l/min	mm/hr	DU	SC _(10% WINDOW)	
A2	2"	25.9	431	14.4	.87	1.1	1.6
A3	2"	23.1	385	19.6	.82	1.3	1.3
A4	2"	19.0	316	28.8	.79	1.2	1.2
A5	2"	22.2	370	28.8	.79	1.2	1.2
A6	2"	23.1	385	28.8	.79	1.2	1.2
A7	2-1.5"	11.6	193	62.0	.79	1.2	1.2
A8	2"	23.1	385	28.8	.79	1.2	1.2
A9	2"	19.6	326	14.8	.77	1.3	1.3
A10	2"	19.6	326	14.8	.77	1.3	1.3
A11	1.5"	13.0	217	14.8	.77	1.3	1.3
A12	2"	19.6	326	14.8	.77	1.3	1.3



OFFICIAL BASEBALL DESIGN
 I-25 FOUR ROW DESIGN



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SHEET
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WATER REQUIREMENT

WATER REQUIREMENT AT
-FIELD ELEVATION
-WITHIN 30m OF FIELD
-DOWNSTREAM OF BACKFLOW
IS 385 l/min @ 6.0 Bars

IRRIGATION LEGEND

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 - HUNTER I-25-04-SS-B-XX/I25-06-SS-B-XX, NOZZLE AS SHOWN
 - HUNTER I-25-04-SS-HS-B-XX/I-25-06-SS-HS-B-XX, NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- #8 @ 4.0 Bars - 34.2 l/min 15.2m RADIUS
 - #13 @ 5.5 Bars - 54.0 l/min 16.8m RADIUS
 - #15 @ 5.5 Bars - 61.5 l/min 17.7m RADIUS
 - #18 @ 5.5 Bars - 68.5 l/min 19.2m RADIUS
 - #23 @ 5.5 Bars - 96.3 l/min 20.1m RADIUS
- VALVE SYMBOLS:**
- ⊕ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - ⊕ HUNTER ACC-1800-M SOLID STATE METAL CABINET CONTROLLER
 - ⊕ HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
 - ⊕ WATER METER MINIMUM SIZE @ 385 l/min IS 63mm
 - ⊕ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - ⊕ MAINLINE PIPE
 - ⊕ LATERAL PIPE
 - ⊕ SLEEVEING
 - ⊕ ISOLATION VALVE LINE SIZED
 - ⊕ HUNTER FLOW SENSOR IN LINE SIZED FLOW CLIK TEE "FCT"

IRRIGATION NOTES

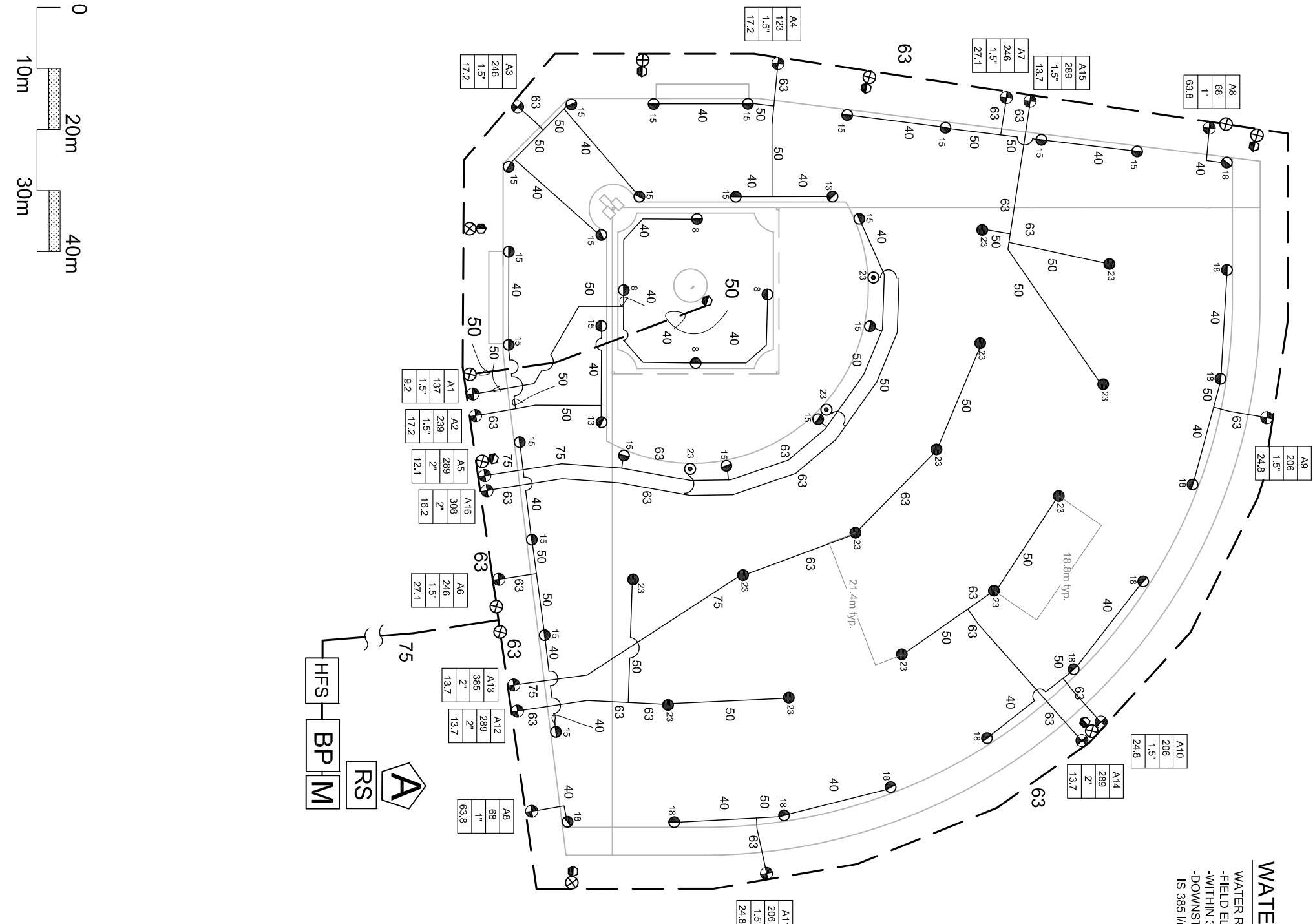
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2. PIPE LOCATIONS ARE DIAGRAMMATIC
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11. ALL SLEEVES TO BE 2X PIPE RUN THROUGH THEM
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15. ADD HUNTER "FS" FOR DIRTY WATER VALVE
16. ADD HUNTER "AS" FOR PRESSURE REGULATED VALVE

VALVE ID GUIDE

A1	STATION NUMBER
273	1.5"
137	1.5"
19.0	PRECIPITATION RATE mm/hr

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	l/min	PR mm/hr	DU	SC _(10% WINDOW)
A1	1.5"	8.2	137	9.2	.83	1.6
A2	1.5"	14.3	239	17.2	.87	1.1
A3	1.5"	14.8	246	17.2	.87	1.1
A4	1.5"	7.4	123	17.2	.87	1.1
A5	2"	17.3	289	12.1	.87	1.1
A6	1.5"	14.8	246	27.1	.87	1.1
A7	1.5"	14.8	246	27.1	.82	1.2
A8	2-1"	8.2	137	63.8	.82	1.2
A9	1.5"	12.4	206	24.8	.82	1.2
A10	1.5"	12.4	206	24.8	.82	1.2
A11	1.5"	12.4	206	24.8	.80	1.2
A12	2"	17.3	289	13.7	.80	1.2
A13	2"	23.1	385	13.7	.80	1.2
A14	2"	17.3	289	13.7	.82	1.2
A15	2"	17.3	289	13.7	.82	1.2
A16	2"	18.5	308	13.7	.82	1.2



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WATER REQUIREMENT

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 -FIELD ELEVATION
 -WITHIN 30m OF FIELD
 -DOWNSTREAM OF BACKFLOW
 IS 431 l/min @ 6.26 Bars

IRRIGATION LEGEND

PRODUCT DESCRIPTION

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- HUNTER I-25-04-SS-B-XX/I-25-06-SS-B-XX NOZZLE AS SHOWN
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- Ⓜ WATER METER MINIMUM SIZE @ 431 l/min IS 63mm
- Ⓛ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
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- Ⓛ SLEEVING
- ⊗ ISOLATION VALVE LINE SIZED

IRRIGATION NOTES

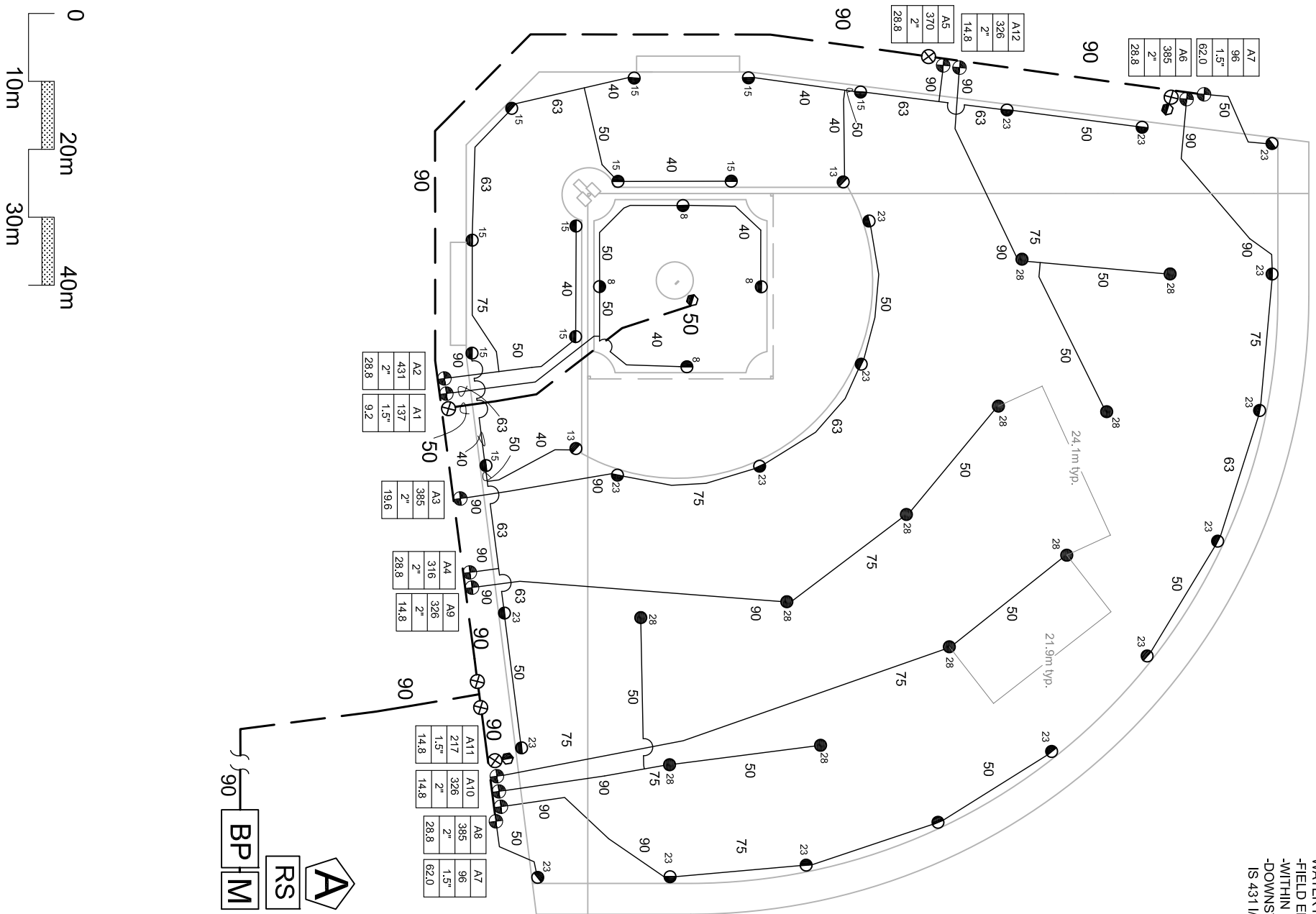
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VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
19.0	PRECIPITATION RATE mm/hr

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	PR mm/hr	DU	SC _(10% WINDOWN)
A1	1.5"	8.2	9.2	.83	1.6
A2	2"	25.9	14.4	.87	1.1
A3	2"	23.1	19.6	.82	1.3
A4	2"	19.0	31.6	.79	1.2
A5	2"	22.2	37.0	.79	1.2
A6	2"	23.1	38.5	.79	1.2
A7	2-1.5"	11.6	19.3	.79	1.2
A8	2"	23.1	38.5	.79	1.2
A9	2"	19.6	32.6	.77	1.3
A10	2"	19.6	32.6	.77	1.3
A11	1.5"	13.0	21.7	.77	1.3
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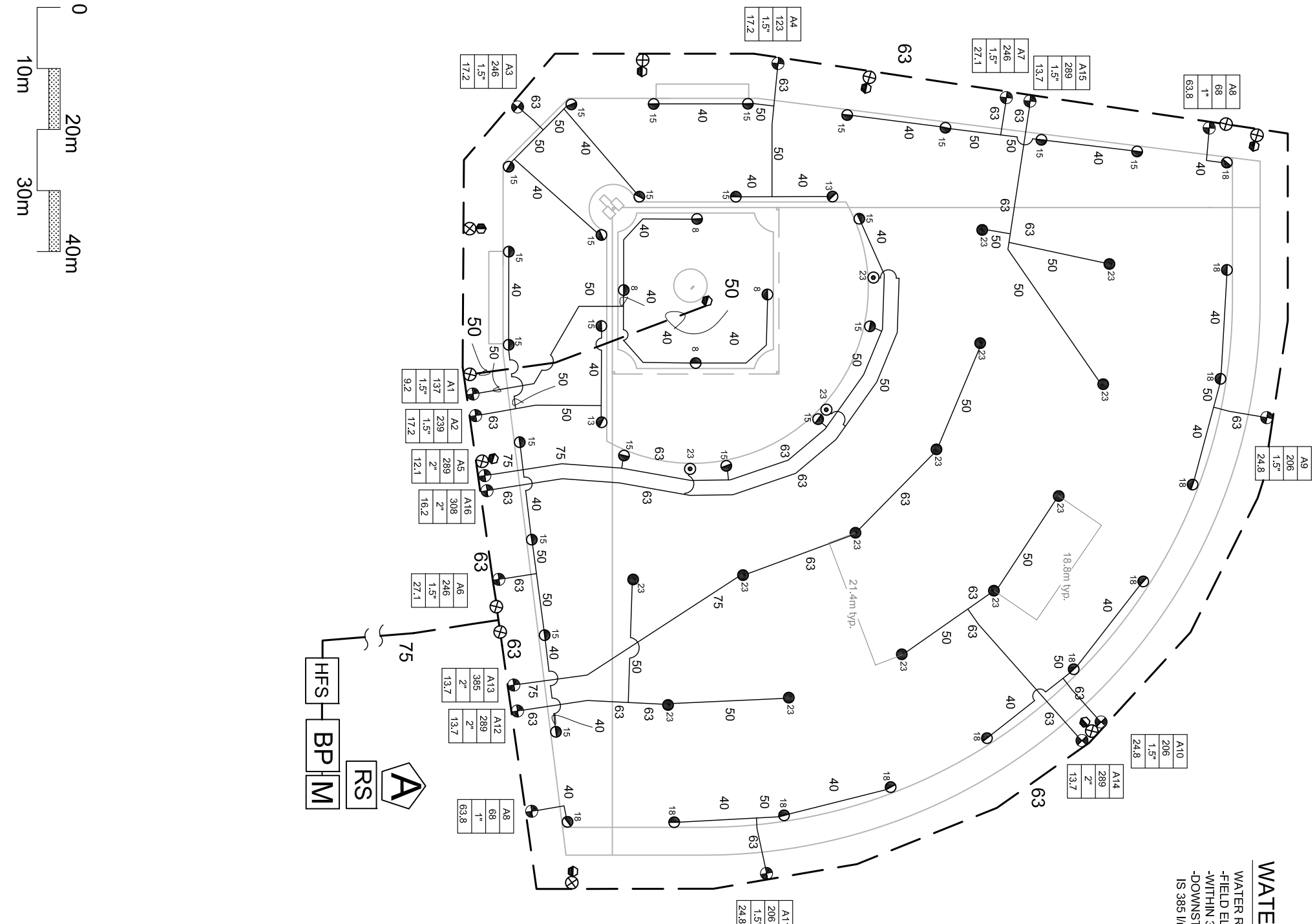
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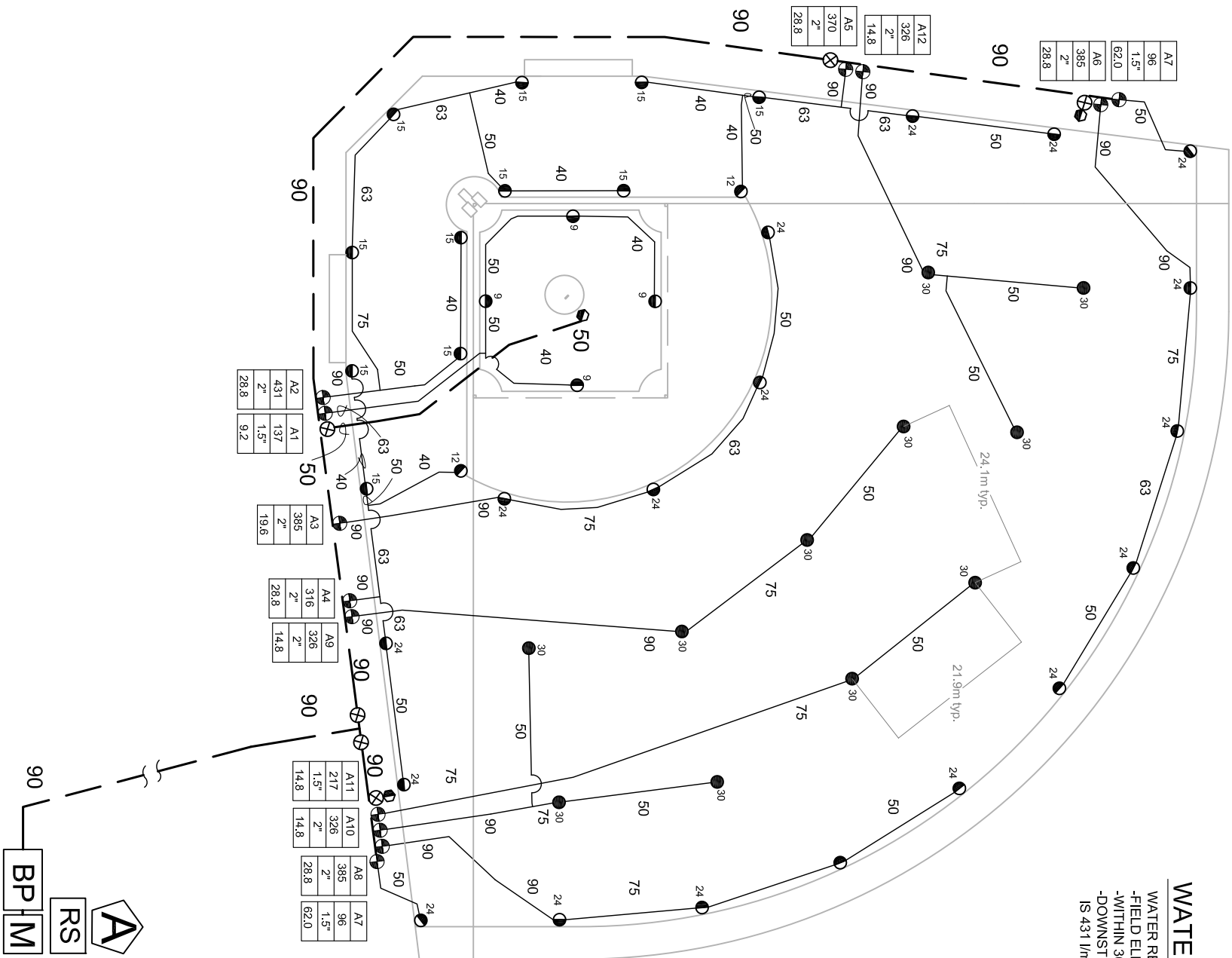
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VALVE ID GUIDE

A1	STATION NUMBER
273	1.5"
19.0	PRECIPITATION RATE mm/hr

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	PR mm/hr	DU	SC _(10% WINDOW)
A1	1.5"	8.2	9.2	.83	1.6
A2	2"	25.9	14.4	.87	1.1
A3	2"	23.1	19.6	.82	1.3
A4	2"	19.0	28.8	.79	1.2
A5	2"	22.2	28.8	.79	1.2
A6	2"	23.1	38.5	.79	1.2
A7	2-1.5"	11.6	62.0	.79	1.2
A8	2"	23.1	28.8	.79	1.2
A9	2"	19.6	28.8	.77	1.3
A10	2"	19.6	32.6	.77	1.3
A11	1.5"	13.0	14.8	.77	1.3
A12	2"	19.6	32.6	.77	1.3

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OFFICIAL BASEBALL DESIGN

I-35 FOUR ROW DESIGN

SHEET

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Hunter Industries
 1940 Diamond Street
 San Marcos, California 92078
 SpecPro Technical Assistance
 1-800-319-4796
 www.HunterIndustries.com

WATER REQUIREMENT

WATER REQUIREMENT AT
-FIELD ELEVATION
-WITHIN 30m OF FIELD
-DOWNSTREAM OF BACKFLOW
IS 385 l/min @ 6.0 Bars

IRRIGATION LEGEND

PRODUCT DESCRIPTION

- HUNTER I-35-06-SS-B-XX, NOZZLE AS SHOWN
- HUNTER I-35-06-SS-B-XX, NOZZLE AS SHOWN
- HUNTER I-35-06-SS-HS-B-XX, NOZZLE AS SHOWN

NOZZLE PERFORMANCE:

- #9 @ 4.0 Bars - 34.2 l/min 15.2m RADIUS
- #12 @ 5.5 Bars - 54.0 l/min 16.8m RADIUS
- #15 @ 5.5 Bars - 61.5 l/min 17.7m RADIUS
- #18 @ 5.5 Bars - 68.5 l/min 19.2m RADIUS
- #24 @ 5.5 Bars - 96.3 l/min 20.1m RADIUS

- ⊕ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
- ⊖ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
- ⊙ HUNTER ACC-1800-M SOLID STATE METAL CABINET CONTROLLER
- ⊙ HUNTER SOLAR-SYNG-SEN ON SITE WEATHER SENSOR
- ⊙ WATER METER MINIMUM SIZE @ 385 l/min IS 63mm
- BACKFLOW PREVENTER SIZED TO SYSTEM l/min
- MAINLINE PIPE
- LATERAL PIPE
- SLEEVING
- ⊗ ISOLATION VALVE LINE SIZED
- ⊗ HUNTER FLOW SENSOR IN LINE SIZED FLOW CLIK TEE "FCT"

IRRIGATION NOTES

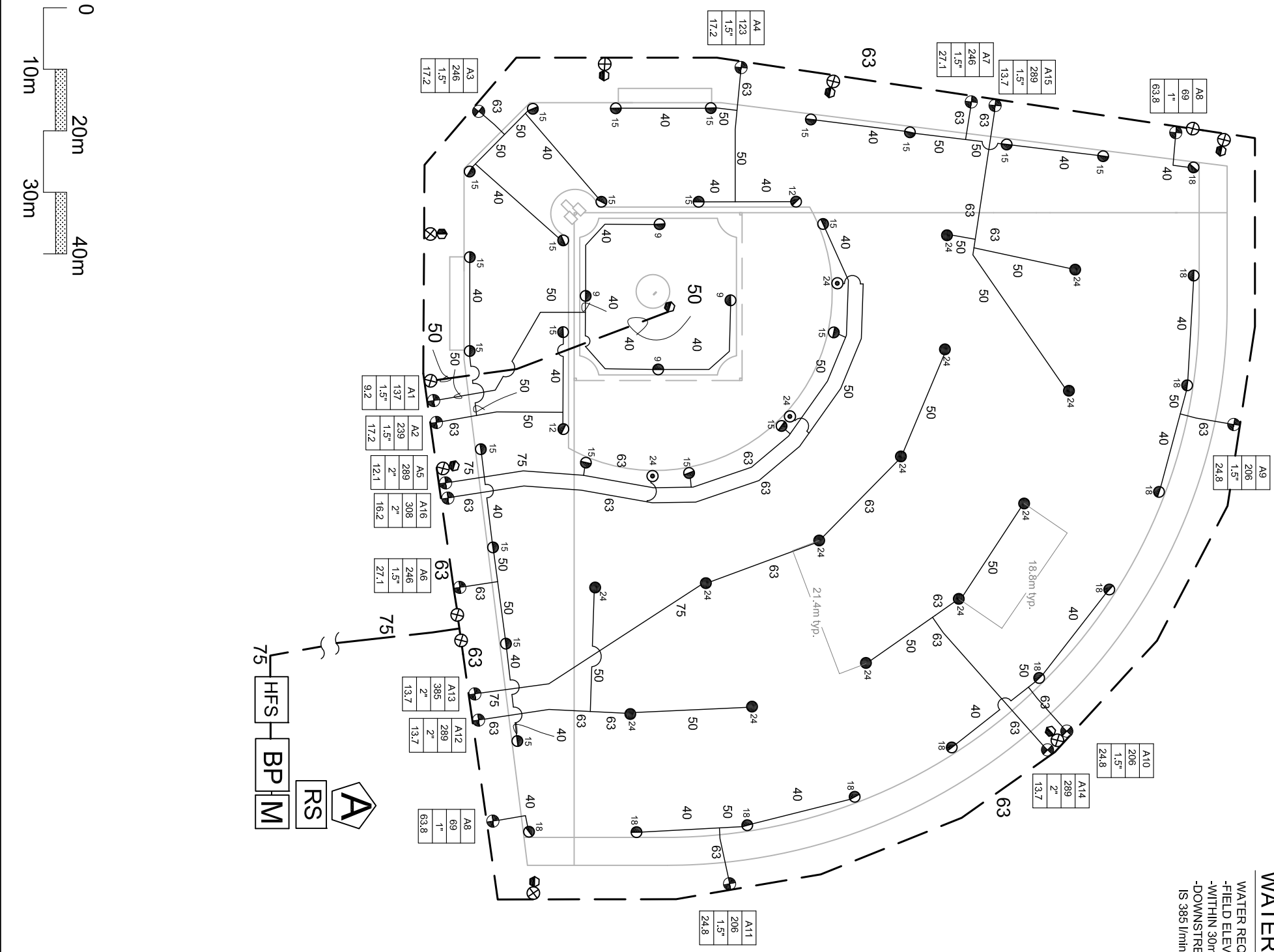
1. SPRINKLER LOCATIONS ARE TO SCALE
2. PIPE LOCATIONS ARE DIAGRAMMATIC
3. ALL SPRINKLERS TO BE INSTALLED ON 32mm SCH 80 SWING JOINTS
4. ALL COMPONENTS TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
5. MAINLINE DEPTH TO BE NO LESS THAN 460mm
6. LATERAL DEPTH TO BE NO LESS THAN 410mm
7. ELECTRIC CONTROL VALVES TO BE COVERED WITH 12" VALVE BOX
8. LOCATE VALVES/QCV'S OUT OF HIGH TRAFFIC AREAS
9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
10. QCV TO BE LOCATED IN 10" VALVE BOX
11. ALL SLEEVES TO BE 2X PIPE RUN THROUGH THEM
12. INSTALL ALL COMPONENTS AS PER LOCAL, STATE, FEDERAL CODES
13. REFER TO HUNTER INSTALLATION DETAILS
14. REFER TO HUNTER CATALOG FOR PERFORMANCE SPECIFICATIONS
15. ADD HUNTER "FS" FOR DIRTY WATER VALVE
16. ADD HUNTER "AS" FOR PRESSURE REGULATED VALVE

VALVE ID GUIDE

A1	273	1.5"	STATION NUMBER
A1	273	1.5"	VALVE SIZE
A1	19.0		PRECIPITATION RATE mm/hr

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW	PR	DU	SC _(10% WINDOW)
		m ³ /hr	l/min	mm/hr	
A1	1.5"	8.2	137	9.2	83
A2	1.5"	14.3	239	17.2	87
A3	1.5"	14.8	246	17.2	87
A4	1.5"	7.4	123	8.7	1.1
A5	2"	17.3	289	12.1	87
A6	1.5"	14.8	246	12.1	87
A7	1.5"	14.8	246	27.1	82
A8	2-1"	8.2	137	63.8	82
A9	1.5"	12.4	206	24.8	82
A10	1.5"	12.4	206	24.8	82
A11	1.5"	12.4	206	24.8	80
A12	2"	17.3	289	13.7	80
A13	2"	23.1	385	13.7	80
A14	2"	17.3	289	13.7	82
A15	2"	17.3	289	13.7	82
A16	2"	18.5	308		1.2



OFFICIAL BASEBALL FIELD
I-35 FOUR ROW DESIGN
LOOPED MAINLINE

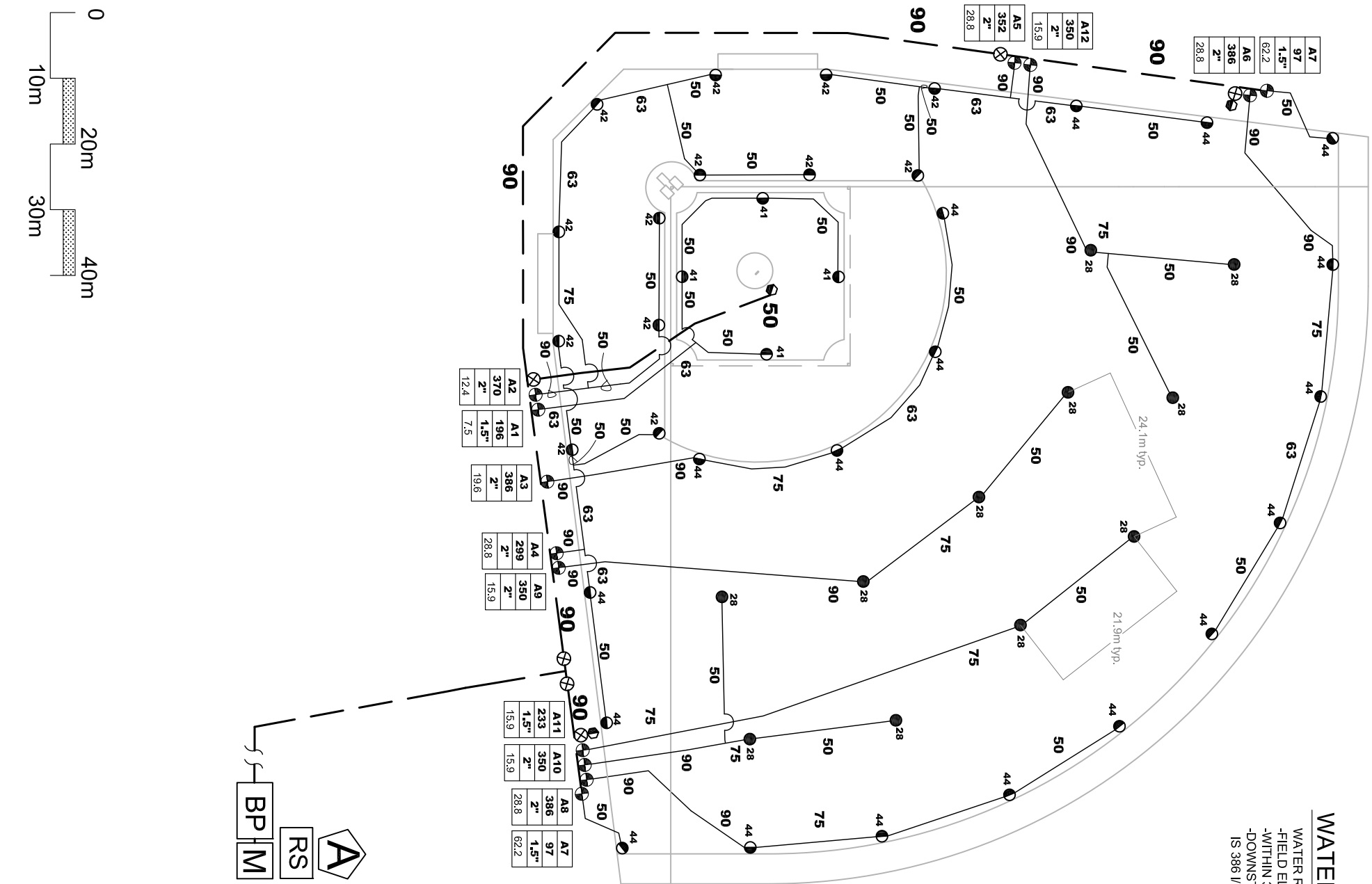
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WATER REQUIREMENT

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-FIELD ELEVATION
-WITHIN 30m OF FIELD
-DOWNSTREAM OF BACKFLOW
IS 386 l/min @ 6.25 Bars



IRRIGATION LEGEND

- PRODUCT DESCRIPTION**
- HUNTER I-40-04-SS-ON-B-XX/I-40-06-SS-ON-B-XX, NOZZLE AS SHOWN
 - HUNTER I-40-04-SS-B-XX/I-40-06-SS-B-XX, NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- #41 @ 5.5 Bars - 49.1 l/min 16.2m RADIUS
 - #42 @ 5.5 Bars - 52.9 l/min 17.1m RADIUS
 - #43 @ 5.5 Bars - 66.1 l/min 18.6m RADIUS
 - #44 @ 5.5 Bars - 96.6 l/min 20.4m RADIUS
 - #28 @ 5.5 Bars - 116.7 l/min 21.9m RADIUS
- ⊕ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
- ⊖ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
- ⊕ HUNTER IC-1200-M SOLID STATE METAL CABINET CONTROLLER
- ⊕ HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
- ⊕ WATER METER MINIMUM SIZE @ 386 l/min IS 63mm
- ⊕ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
- ⊕ MAINLINE PIPE
- ⊕ LATERAL PIPE
- ⊕ SLEEVING
- ⊕ ISOLATION VALVE LINE SIZED

IRRIGATION NOTES

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2. PIPE LOCATIONS ARE DIAGRAMMATIC
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1.5"	VALVE SIZE
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A8	2"	23.2	38.6	.78	1.2
A9	2"	21	35.0	.74	1.4
A10	2"	21	35.0	.74	1.4
A11	1.5"	14	23.3	.74	1.4
A12	2"	21	35.0	.74	1.4

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