



SOCCKER FIELD 60x90M
I-40 FOUR ROW DESIGN
LOOPED MAINLINE.

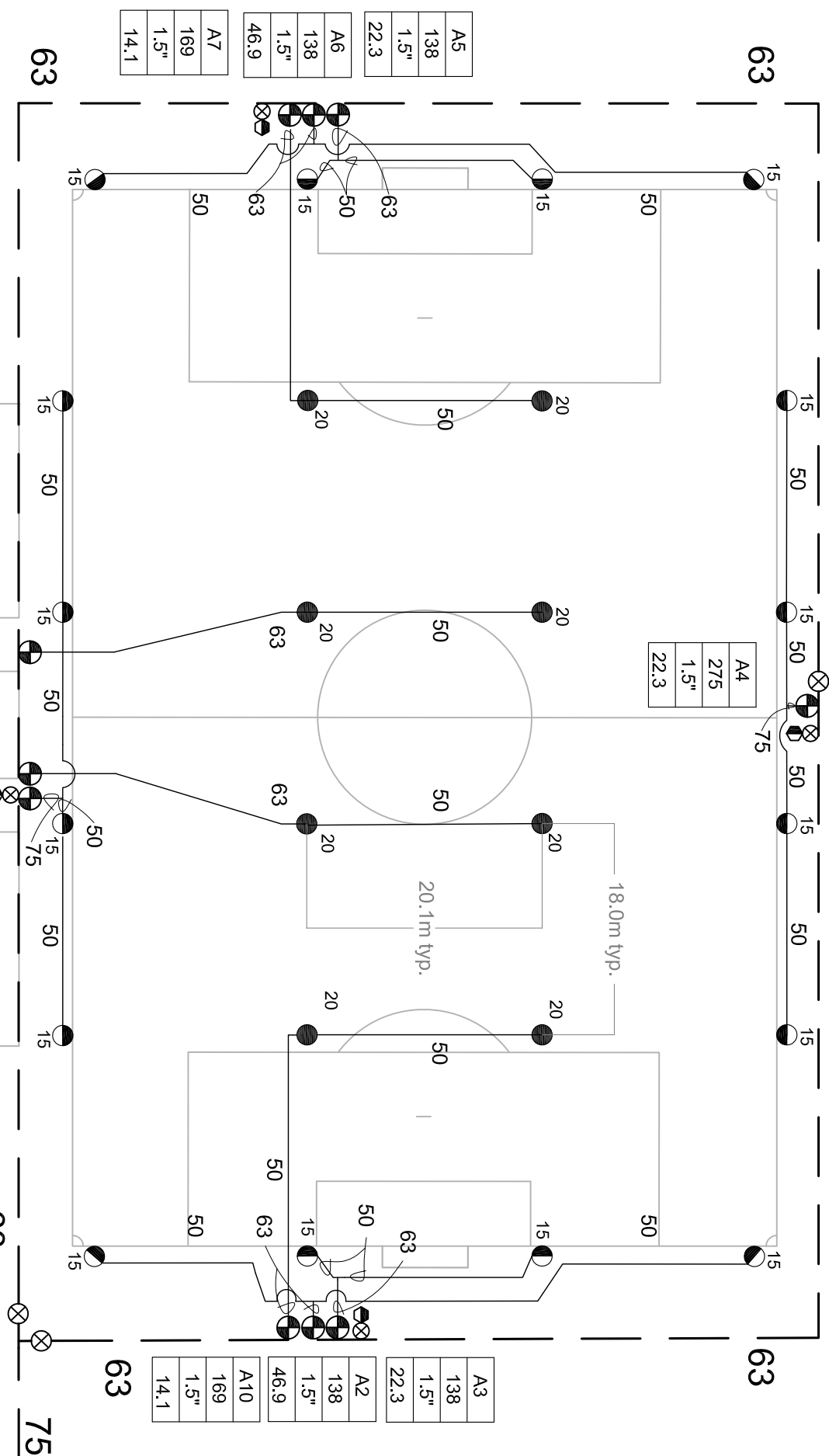
Hunter Industries
1940 Diamond Street
San Marcos, California 92078
SpecPro Technical Assistance
1-800-319-4796
www.HunterIndustries.com

WATER REQUIREMENT

WATER REQUIREMENT AT
-FIELD ELEVATION
-WITHIN 30m OF FIELD
-DOWNSTREAM OF
-BACKFLOW
IS 275 l/min @ 6.11 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	1/min
1.5"	VALVE SIZE
19mm/hr	PRECIPITATION RATE

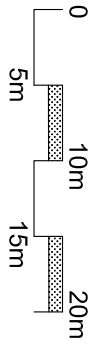


SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	FLOW l/min	PR mm/hr	DU	SC _{100%}
A1	1.5"	16.5	275	22.3	.83	1.2
A2	1.5"	8.3	138	46.9	.83	1.2
A3	1.5"	8.3	138	22.3	.83	1.2
A4	1.5"	16.5	275	22.3	.83	1.2
A5	1.5"	8.3	138	22.3	.83	1.2
A6	1.5"	8.3	138	46.9	.83	1.2
A7	1.5"	10.1	169	14.1	.86	1.1
A8	1.5"	10.1	169	14.1	.86	1.1
A9	1.5"	10.1	169	14.1	.86	1.1
A10	1.5"	10.1	169	14.1	.86	1.1

- 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. OCV 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

- 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:
#15 @ 5.5 Bars - 68.9 l/min 18.0m RADIUS
#20 @ 5.5 Bars - 84.7 l/min 20.1m RADIUS
 - HUNTER IC/V/BV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - HUNTER ACC-1200-M SOLID STATE METAL CABINET CONTROLLER
 - HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
 - WATER METER MINIMUM SIZE @ 275 l/min IS 50mm
 - M WATER FLOW PREVENTER SIZED TO SYSTEM l/min
 - BP BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - RS MAINLINE PIPE
 - A LATERAL PIPE
 - SLEEVING
 - ISOLATION VALVE LINE SIZED
 - HFS HUNTER FLOW SENSOR IN LINE SIZED FLOW CLIK TEE "FCT"

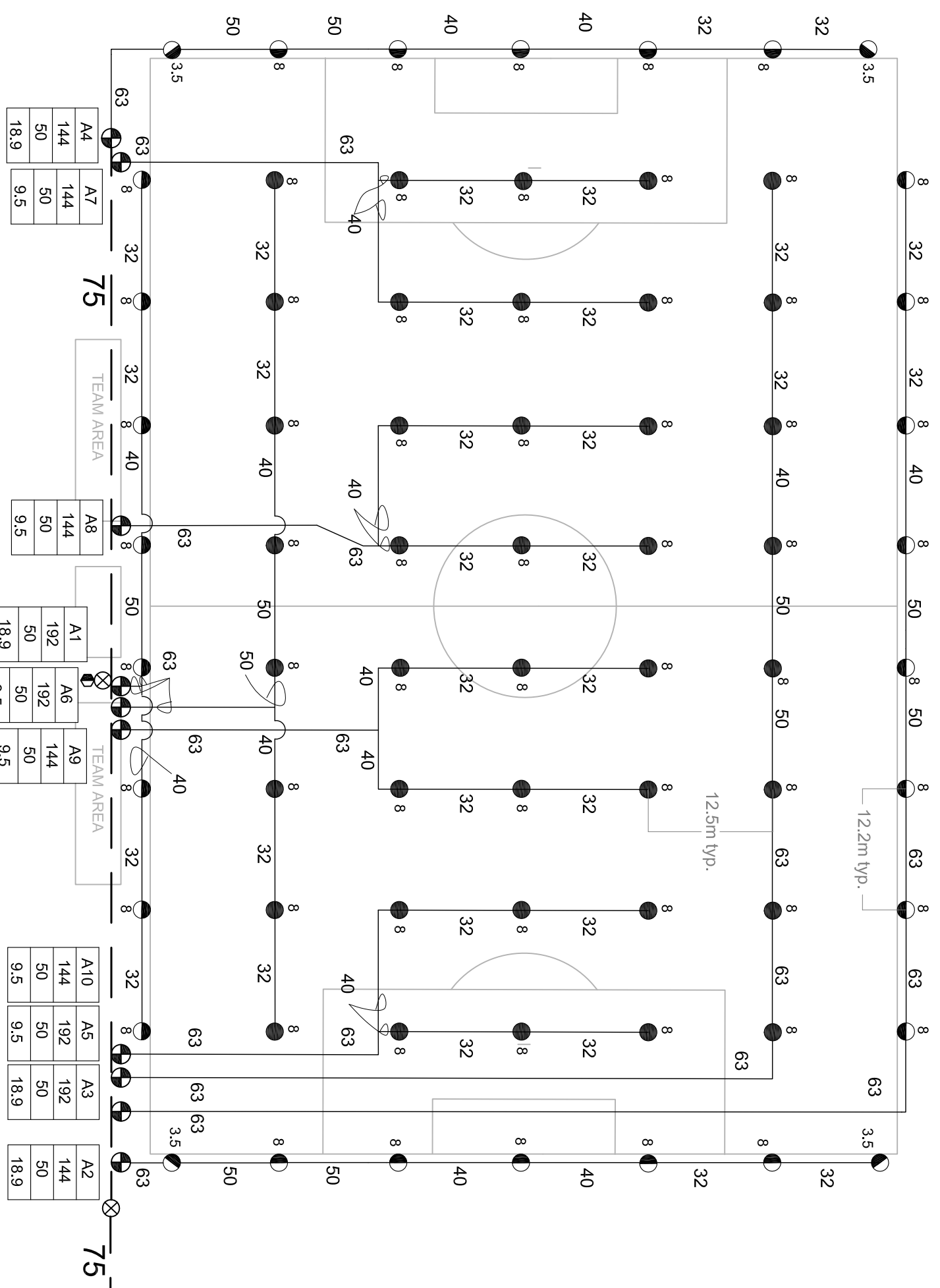


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WATER REQUIREMENT
WATER REQUIREMENT AT
-FIELD ELEVATION
-WITHIN 30m OF FIELD
-DOWNSTREAM OF BACKFLOW
IS 192 l/min @ 4.6 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
15mm/hr	PRECIPITATION RATE mm/hr



SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	PR l/min	DU	SC _{CR} (inches)
A1	1.5"	11.5	192	.82	1.2
A2	1.5"	8.64	144	.82	1.2
A3	1.5"	11.5	18.9	.82	1.2
A4	1.5"	8.64	144	.82	1.2
A5	1.5"	11.5	192	.82	1.2
A6	1.5"	11.5	192	.82	1.2
A7	1.5"	8.64	144	.82	1.2
A8	1.5"	8.64	144	.82	1.2
A9	1.5"	8.64	144	.82	1.2
A10	1.5"	8.64	144	.82	1.2

IRRIGATION NOTES

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3. ALL SPRINKLERS TO BE INSTALLED ON 25mm SCH 80 SWING JOINTS
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IRRIGATION LEGEND

- PRODUCT DESCRIPTION**
- HUNTER I-20-SS-XX, FULL CIRCLE, NOZZLE AS SHOWN
 - HUNTER I-20-SS-XX, PART CIRCLE, NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
#3.5 @ 3.0 Bars - 12.0 l/min 11m RADIUS
#8 @ 3.0 Bars - 24 l/min 13.1m 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 @ 192 LPM IS 50mm
 - BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - BP MAINLINE PIPE
 - M LATERAL PIPE
 - RS SLEEVING
 - ⊗ ISOLATION VALVE LINE SIZED

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SOCCKER FIELD 75 X 110M
I-20 SEVEN ROW DESIGN
LOOPED MAINLINE

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SHEET
1 OF 1

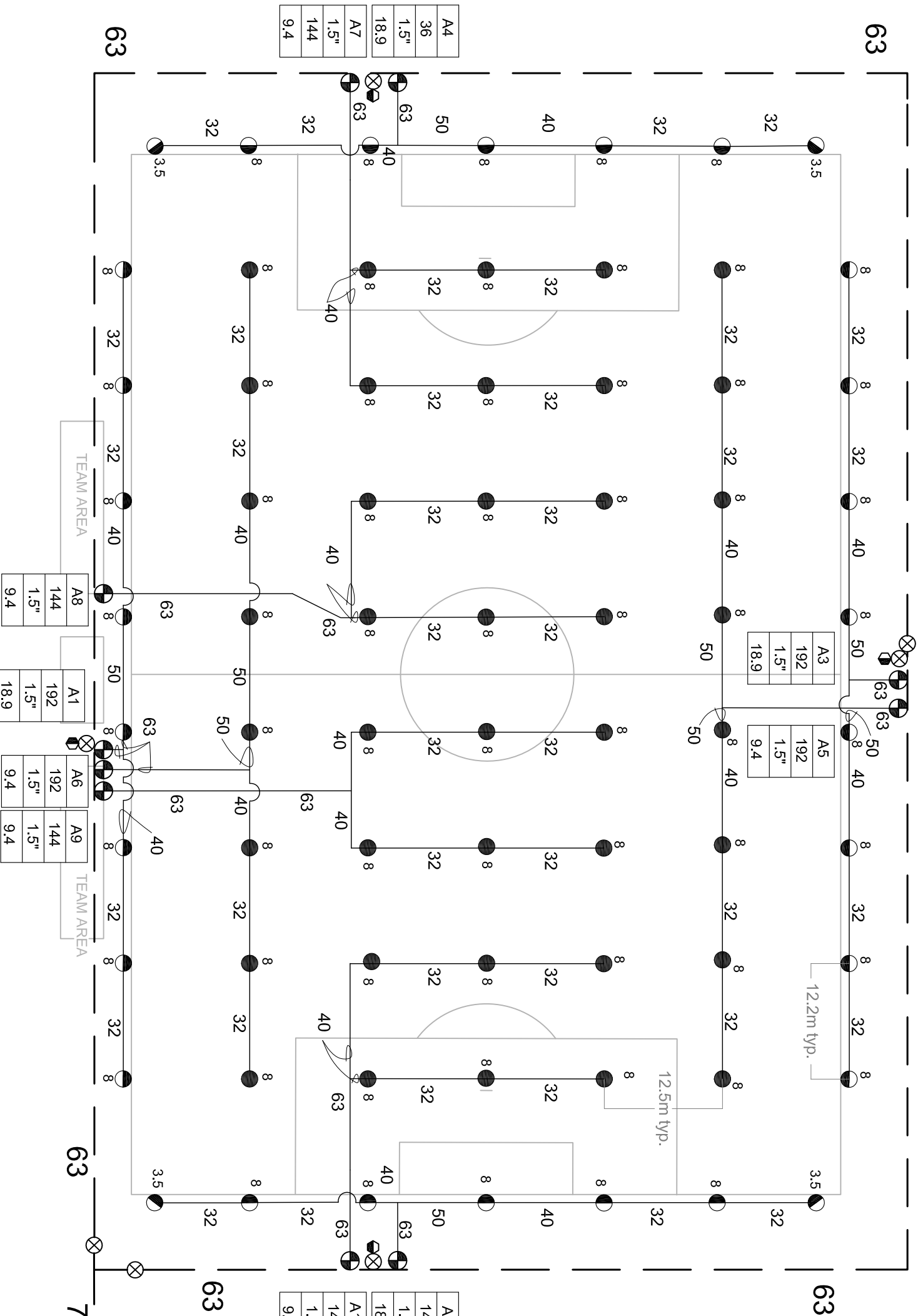
WATER REQUIREMENT
 WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30m OF FIELD
 -DOWNSTREAM OF BACKFLOW
 IS 192 l/min @ 4.14 Bars

VALVE ID GUIDE

A1	STATION NUMBER
1.5"	273
1.5"	VALVE SIZE
19mm/hr	PRECIPITATION RATE mm/hr

A4	144
36	1.5"
1.5"	18.9
A7	144
1.5"	144
144	9.4

A2	144
144	1.5"
1.5"	18.9
A10	144
144	1.5"
1.5"	9.4



IRRIGATION LEGEND

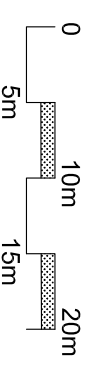
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 - ⊗ HUNTER FLOW SENSOR IN LINE SIZED FLOW CLIK TEE "FCT"

IRRIGATION NOTES

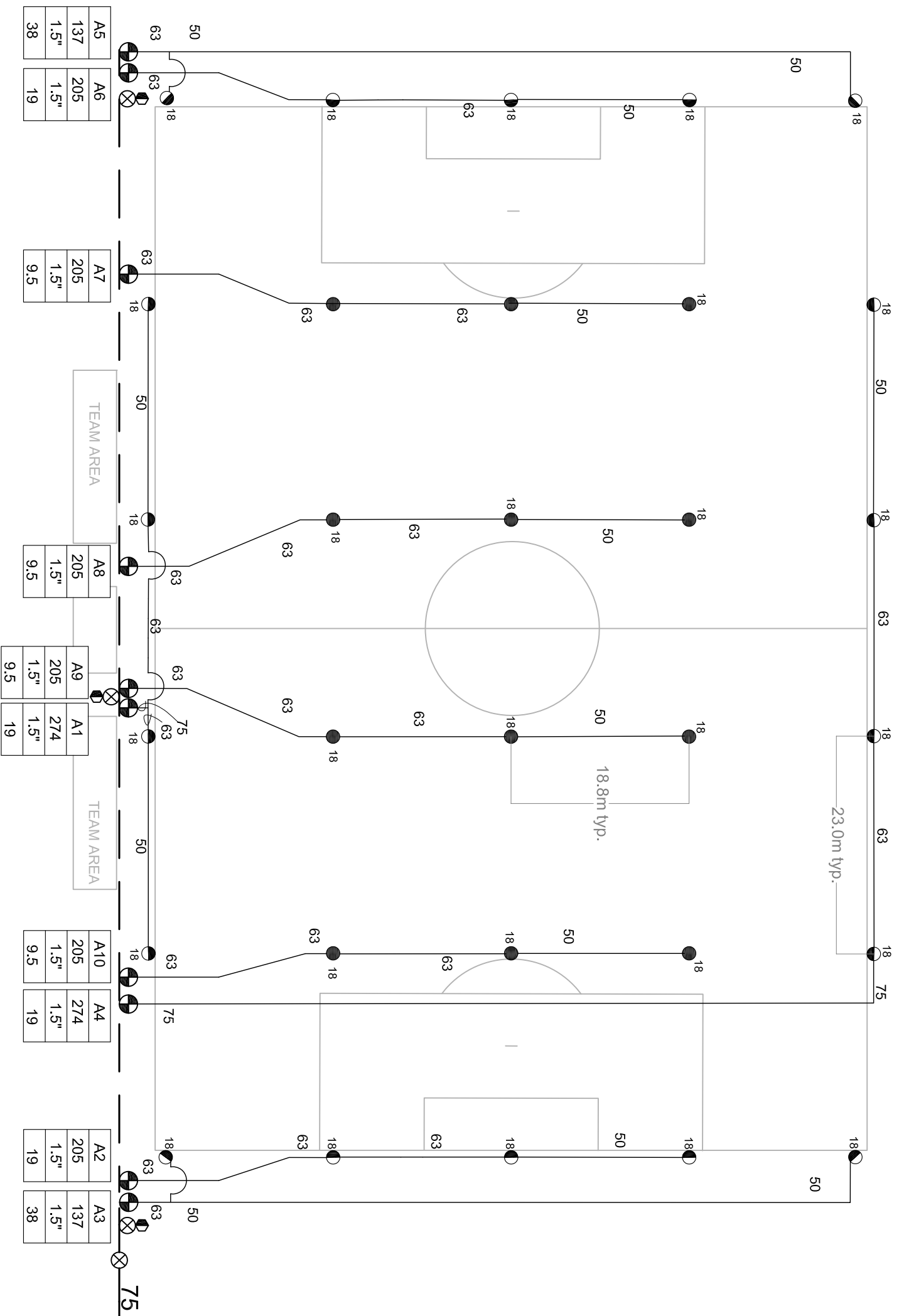
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6. LATERAL DEPTH TO BE NO LESS THAN 410mm
7. ELECTRIC CONTROL VALVES TO BE COVERED WITH 12" VALVE BOX
8. LOCATE VALVES/ICV'S OUT OF HIGH TRAFFIC AREAS
9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
10. ICV TO BE LOCATED IN 10" VALVE BOX
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16. ADD HUNTER "AS" FOR PRESSURE REGULATED VALVE

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW	PR	DU	SC
A1	1.5"	m ³ /hr	l/min	mm/hr	mm
A2	1.5"	11.5	192	18.9	82
A3	1.5"	8.64	144	18.9	82
A4	1.5"	11.5	192	18.9	82
A5	1.5"	8.64	144	18.9	82
A6	1.5"	11.5	192	9.4	82
A7	1.5"	8.64	144	9.4	82
A8	1.5"	8.64	144	9.4	82
A9	1.5"	8.64	144	9.4	82
A10	1.5"	8.64	144	9.4	82



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IRRIGATION LEGEND

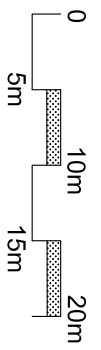
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 - HUNTER 1-25-04-SS-B-XX/I-25-06-SS-B-XX, NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- #18 @ 5.5 Bars - 68.5 l/min 19.2m RADIUS
- ⊙ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - ⊙ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - ⊙ HUNTER IC-1200-M SOLID STATE METAL CABINET CONTROLLER
 - ⊙ HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
 - ⊙ WATER METER MINIMUM SIZE @ 274 l/min IS 63mm
 - ⊙ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - MAINLINE PIPE
 - LATERAL PIPE
 - SLEEVING
 - ⊗ ISOLATION VALVE LINE SIZED

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16. ADD HUNTER "AS" FOR PRESSURE REGULATED VALVE

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	l/min	PR mm/hr	DU	SC (% ALLOW)
A1	1.5"	16.44	274	19	.82	1.3
A2	1.5"	12.33	205	19	.82	1.3
A3	1.5"	9.82	137	38	.82	1.3
A4	1.5"	16.44	274	19	.82	1.3
A5	1.5"	9.82	137	38	.82	1.3
A6	1.5"	12.33	205	19	.82	1.3
A7	1.5"	12.33	205	9.5	.82	1.3
A8	1.5"	12.33	205	9.5	.82	1.3
A9	1.5"	12.33	205	9.5	.82	1.3
A10	1.5"	12.33	205	9.5	.82	1.3



WATER REQUIREMENT

WATER REQUIREMENT AT
-FIELD ELEVATION
-WITHIN 30m OF FIELD
-DOWNSTREAM OF BACKFLOW
IS 274 l/min @ 6.75 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
19mm/hr	PRECIPITATION RATE

SOCCER FIELD 75 X 110M
I-25 FIVE ROW DESIGN



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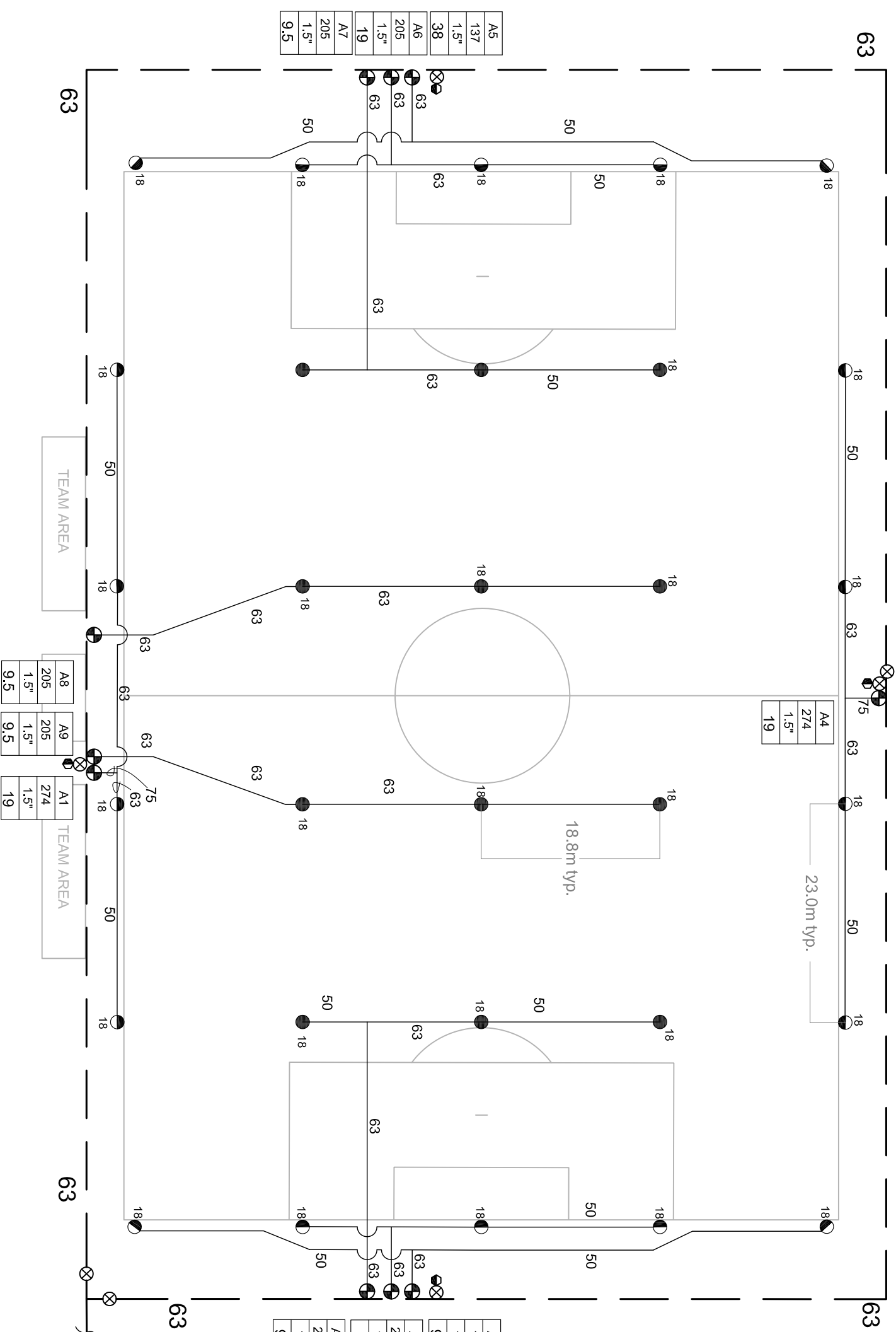
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WATER REQUIREMENT

WATER REQUIREMENT AT
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-WITHIN 30m OF FIELD
-DOWNSTREAM OF BACKFLOW
IS 274 l/min @ 6.3 Bars

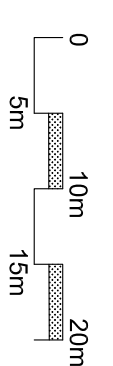
VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
19mm/hr	PRECIPITATION RATE mm/hr



SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW mm/hr	PR mm/hr	DU	SC ₁₀₀ mm/hr
A1	1.5"	16.4	19	.82	1.3
A2	1.5"	12.3	205	.82	1.3
A3	1.5"	9.82	137	.82	1.3
A4	1.5"	16.4	274	.82	1.3
A5	1.5"	9.82	137	.82	1.3
A6	1.5"	12.3	205	.82	1.3
A7	1.5"	12.3	205	.82	1.3
A8	1.5"	12.3	205	.82	1.3
A9	1.5"	12.3	205	.82	1.3
A10	1.5"	12.3	205	.82	1.3



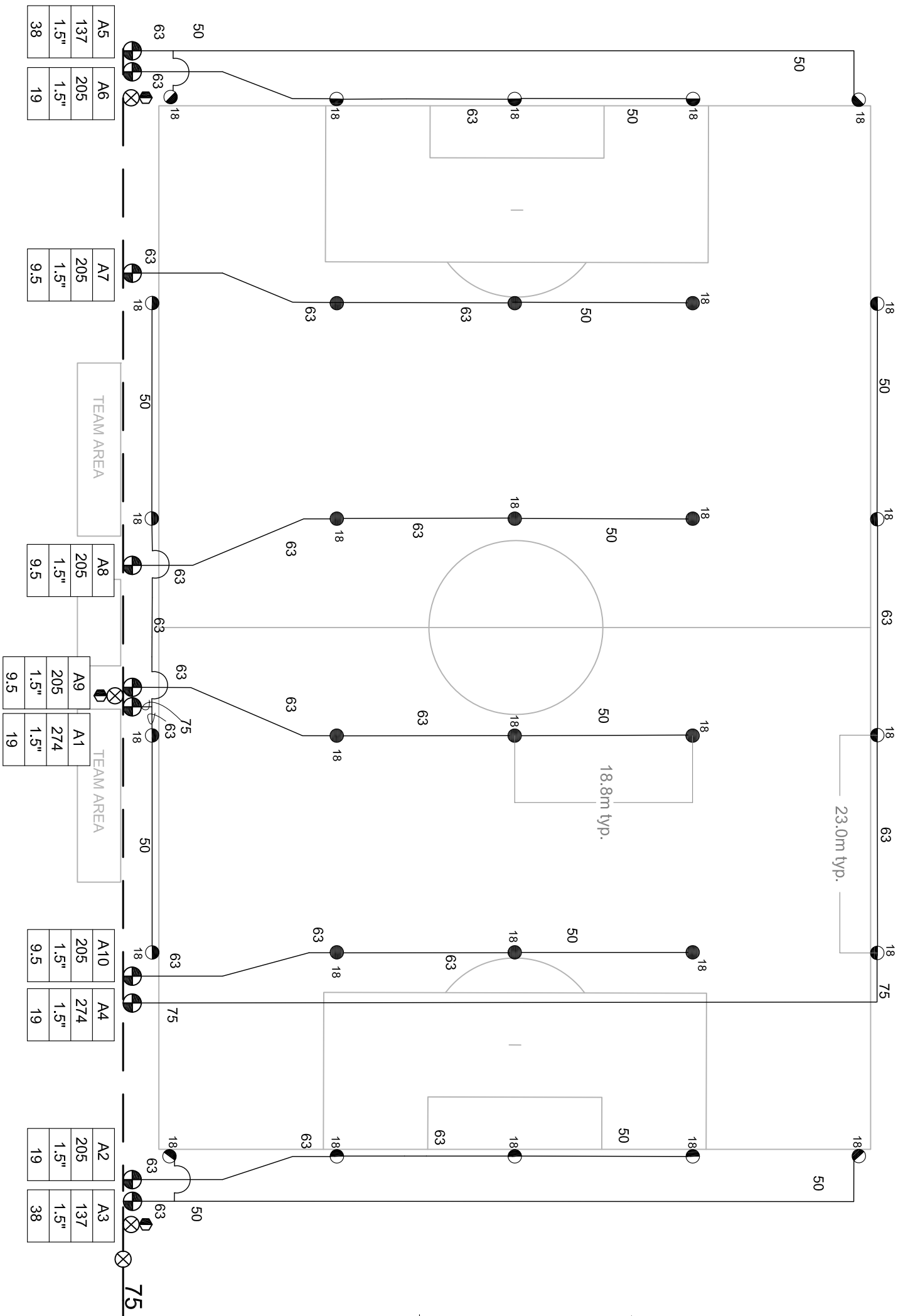
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- PRODUCT DESCRIPTION**
- HUNTER I-25-04-SS-B-XX/I-40-06-SS-B-XX: NOZZLE AS SHOWN
 - HUNTER I-25-04-SS-B-XX/I-40-06-SS-B-XX: NOZZLE AS SHOWN
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- #18 @ 5.5 Bars - 68.5 l/min 19.2m RADIUS
- ⊙ HUNTER ICV/BV/ ELECTRIC CONTROL VALVE SIZE AS SHOWN
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 - ⊙ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - ⊙ MAINLINE PIPE
 - ⊙ LATERAL PIPE
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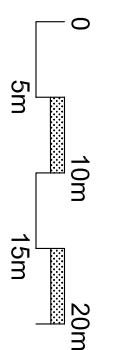
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1.5"	VALVE SIZE
19mm/hr	PRECIPITATION RATE mm/hr

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A8	1.5"	12.33	205	.82	1.3
A9	1.5"	12.33	205	.82	1.3
A10	1.5"	12.33	205	.82	1.3



IRRIGATION LEGEND

- PRODUCT DESCRIPTION**
- HUNTER I-35-04-SS-B-XX NOZZLE AS SHOWN
 - HUNTER I-35-04-SS-B-XX NOZZLE AS SHOWN
 - NOZZLE PERFORMANCE:
#18 @ 5.5 Bars - 68.5 l/min 19.2m RADIUS
 - HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
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 - BACKFLOW PREVENTER SIZED TO SYSTEM l/min
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 I-35 FIVE ROW DESIGN

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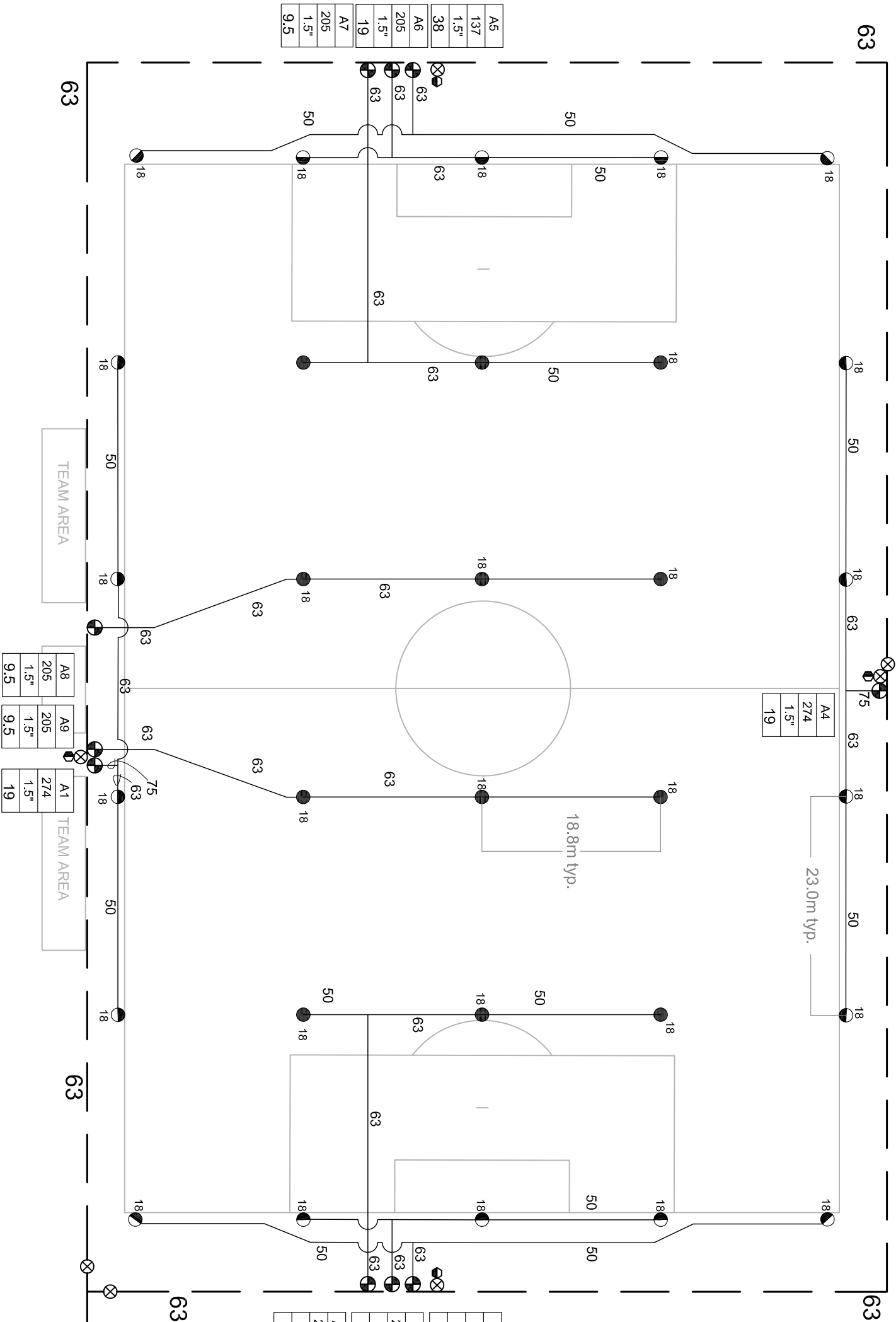
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 -WITHIN 30m OF FIELD
 -DOWNSTREAM OF BACKFLOW
 IS 274 l/min @ 6.3 Bars

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STATION NUMBER	VALVE SIZE	PRECIPITATION RATE mm/hr
A1	273	1.5"
A2	205	1.5"
A3	137	1.5"
A4	274	1.5"
A5	137	1.5"
A6	205	1.5"
A7	137	1.5"
A8	205	1.5"
A9	137	1.5"
A10	205	1.5"

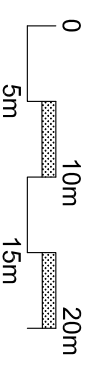


IRRIGATION NOTES

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

SYSTEM PERFORMANCE DATA

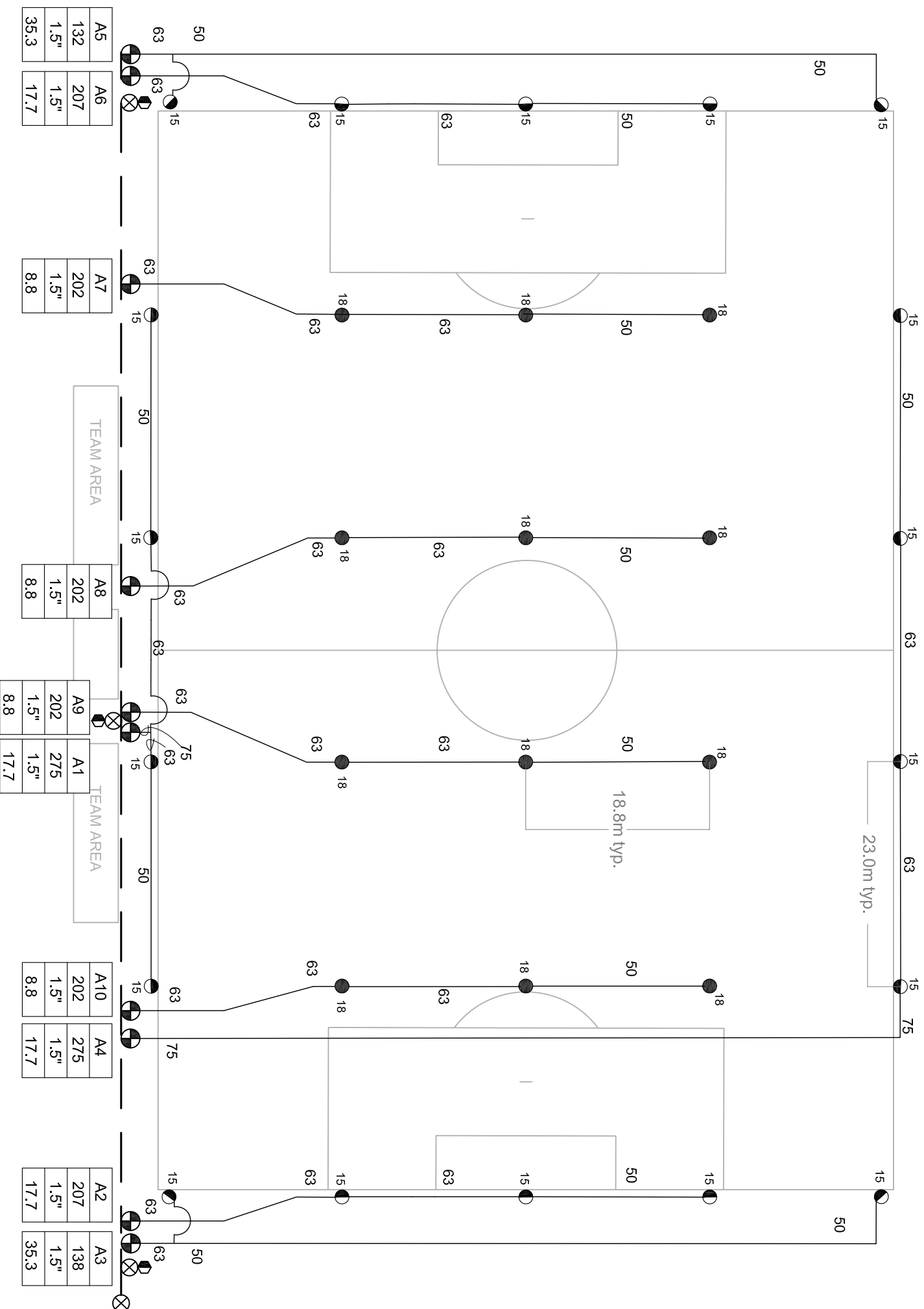
ZONE	SIZE	FLOW m ³ /hr	PR mmHr	DU	SC (% W/COMP)
A1	1.5"	16.4	19	.82	1.3
A2	1.5"	12.3	205	.82	1.3
A3	1.5"	9.82	137	.82	1.3
A4	1.5"	16.4	274	.82	1.3
A5	1.5"	9.82	137	.82	1.3
A6	1.5"	12.3	205	.82	1.3
A7	1.5"	12.3	205	.82	1.3
A8	1.5"	12.3	205	.82	1.3
A9	1.5"	12.3	205	.82	1.3
A10	1.5"	12.3	205	.82	1.3



IRRIGATION LEGEND

- PRODUCT DESCRIPTION**
- HUNTER I-35-04-SS-B-XX, NOZZLE AS SHOWN
 - HUNTER I-35-04-SS-B-XX, NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- #18 @ 5.5 Bars - 68.5 l/min 19.2m 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 @ 274 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"

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IRRIGATION LEGEND

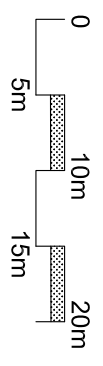
- PRODUCT DESCRIPTION**
- HUNTER I40-04-SS-ON-B-XX/I40-06-SS-ON-B-XX NOZZLE AS SHOWN
 - HUNTER I40-04-SS-B-XX/I40-06-SS-B-XX NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- #15 @ 5.5 Bars - 68.9 l/min 18.0m RADIUS
 - #18 @ 5.5 Bars - 67.5 l/min 18.9m RADIUS
- ⊙ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - ⊙ HUNTER HQ44-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 @ 275 l/min IS 75mm
 - ⊙ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - ⊙ MAINLINE PIPE
 - ⊙ LATERAL PIPE
 - ⊙ SLEEVING
 - ⊙ ISOLATION VALVE LINE SIZED

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/OCVs OUT OF HIGH TRAFFIC AREAS
9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
10. OCV 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

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	PR mm/hr	DU	SC ₁₀₀ (mm/min)	
A1	1.5"	16.5	275	17.7	.82	1.3
A2	1.5"	12.1	202	17.7	.82	1.3
A3	1.5"	8.3	138	17.7	.82	1.3
A4	1.5"	16.5	275	17.7	.82	1.3
A5	1.5"	8.3	138	17.7	.82	1.3
A6	1.5"	12.1	202	17.7	.82	1.3
A7	1.5"	12.1	202	17.7	.82	1.3
A8	1.5"	12.1	202	17.7	.82	1.3
A9	1.5"	12.1	202	17.7	.82	1.3
A10	1.5"	12.1	202	17.7	.82	1.3



WATER REQUIREMENT

WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30m OF FIELD
 -DOWNSTREAM OF BACKFLOW
 IS 275 l/min @ 6.77 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
19mm/hr	PRECIPITATION RATE mm/hr

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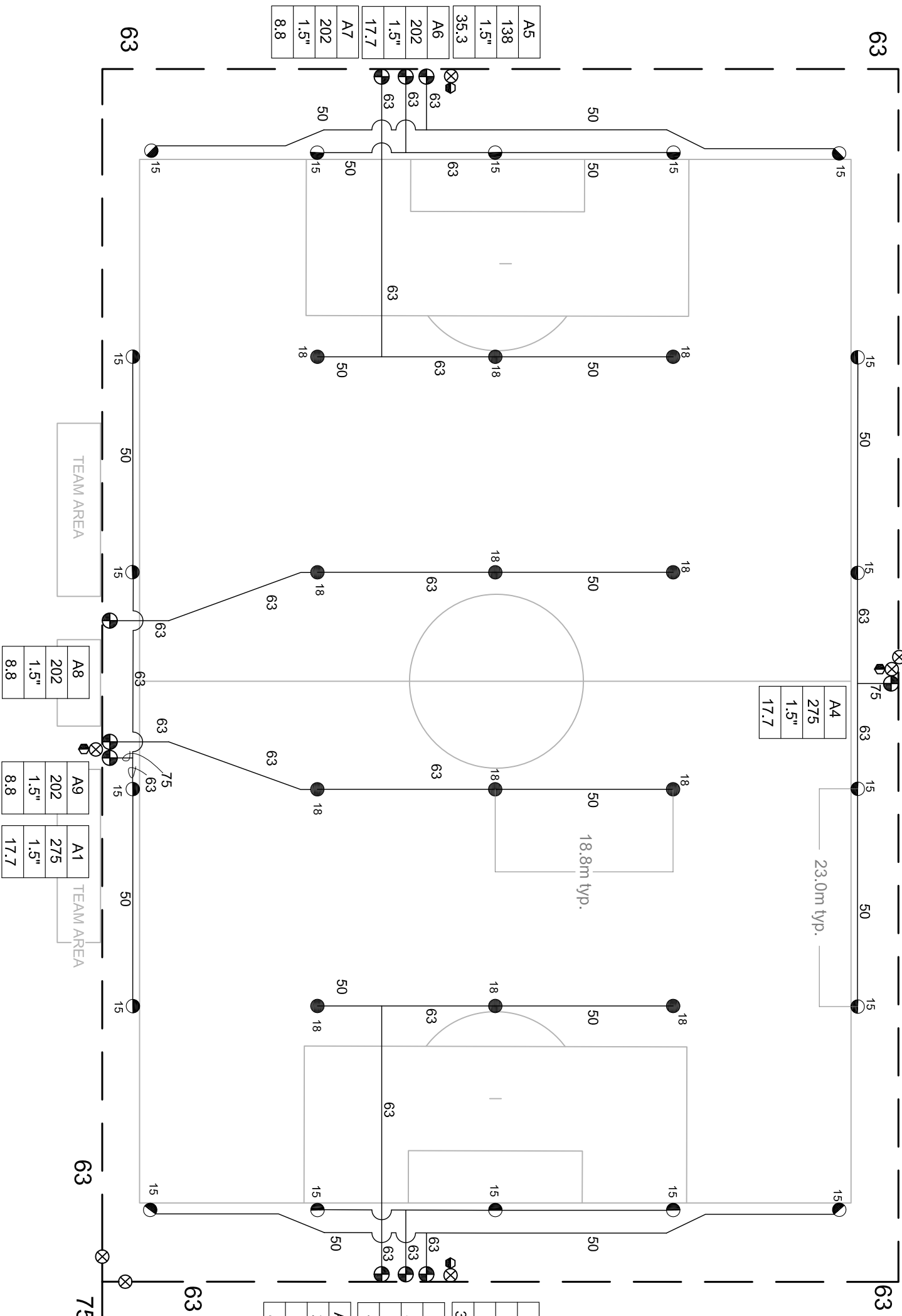
SOCCER FIELD 75 X 110M

I-40 FIVE ROW DESIGN

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

SHEET

1 OF 1



A4	275	1.5"	17.7
----	-----	------	------

23.0m typ.

WATER REQUIREMENT
 WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30M OF FIELD
 -DOWNSTREAM OF BACKFLOW
 IS 275 l/min @ 6.23 Bars

VALVE ID GUIDE

A1	273	1.5"	19mm/hr
A2	202	1.5"	17.7
A10	202	1.5"	8.8

A3	138	1.5"	35.3
A2	202	1.5"	17.7
A10	202	1.5"	8.8

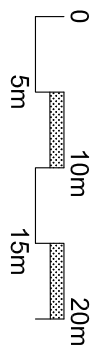
A8	202	1.5"	8.8
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A9	202	1.5"	8.8
----	-----	------	-----

A1	275	1.5"	17.7
----	-----	------	------

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	l/min	PR mm/hr	DU	SC L/ha (mm/hr)
A1	1.5"	16.5	275	17.7	.82	1.3
A2	1.5"	12.1	202	17.7	.82	1.3
A3	1.5"	8.3	138	35.3	.82	1.3
A4	1.5"	16.5	275	17.7	.82	1.3
A5	1.5"	8.3	138	35.3	.82	1.3
A6	1.5"	12.1	202	17.7	.82	1.3
A7	1.5"	12.1	202	8.8	.82	1.3
A8	1.5"	12.1	202	8.8	.82	1.3
A9	1.5"	12.1	202	8.8	.82	1.3
A10	1.5"	12.1	202	8.8	.82	1.3



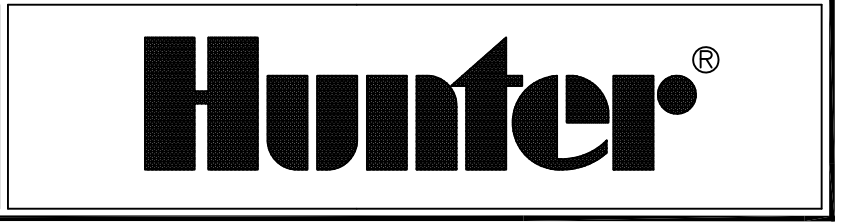
IRRIGATION LEGEND

- 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:**
 #15 @ 5.5 Bars - 68.9 l/min 18.0m RADIUS
 #18 @ 5.5 Bars - 67.5 l/min 18.9m RADIUS
- HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - HUNTER HQ44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - HUNTER ACC-1200-M SOLID STATE METAL CABINET CONTROLLER
 - HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
 - WATER METER MINIMUM SIZE @ 275 l/min IS 75mm
 - 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

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

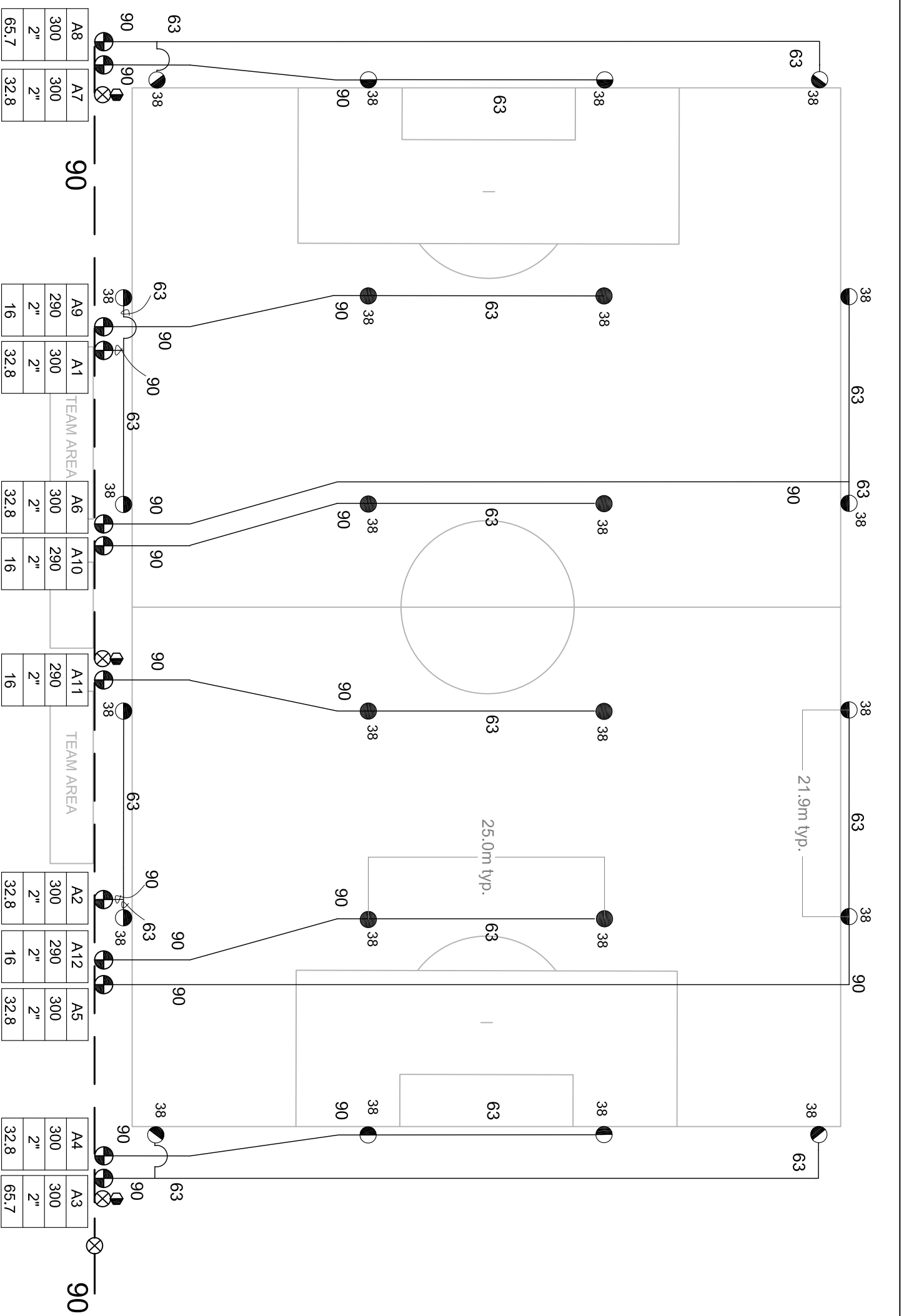
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SOCCER FIELD 75 X 110M
I-40 FIVE ROW DESIGN
LOOPED MAINLINE

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

SHEET
1 OF 1



WATER REQUIREMENT
 WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30m OF FIELD
 -DOWNSTREAM OF BACKFLOW
 IS 300 l/min @ 6.32 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
19mm/hr	PRECIPITATION RATE mm/hr

IRRIGATION LEGEND

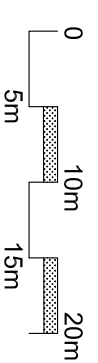
- PRODUCT DESCRIPTION**
- HUNTER I-90-36V-XX, NOZZLE AS SHOWN
 - HUNTER I-90-ADV-XX, NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- 36S
 - #38 @ 5.5 Bars - 145.6 l/min 24.1m RADIUS
 - ADS
 - #38 @ 5.5 Bars - 149.8 LPM 21.9 RADIUS
- ⊙ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - ⊙ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - ⊙ HUNTER IC-1200-M SOLID STATE METAL CABINET CONTROLLER
 - ⊙ HUNTER SOLAR-SYNG-SEN ON SITE WEATHER SENSOR
 - ⊙ WATER METER MINIMUM SIZE @ 300 l/min IS 63mm
 - ⊙ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - ⊙ MAINLINE PIPE
 - ⊙ LATERAL PIPE
 - ⊙ SLEEVING
 - ⊙ ISOLATION VALVE LINE SIZED

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
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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

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	l/min	PR mm/hr	DU	SC (% WINDOW)
A1	1.5"	18.0	300	32.8	.85	1.1
A2	1.5"	18.0	300	32.8	.85	1.1
A3	1.5"	18.0	300	65.7	.85	1.1
A4	1.5"	18.0	300	32.8	.85	1.1
A5	1.5"	18.0	300	32.8	.85	1.1
A6	1.5"	18.0	300	32.8	.85	1.1
A7	1.5"	18.0	300	32.8	.85	1.1
A8	1.5"	18.0	300	65.7	.85	1.1
A9	1.5"	17.5	290	16.0	.85	1.1
A10	1.5"	17.5	290	16.0	.85	1.1
A11	1.5"	17.5	290	16.0	.85	1.1
A12	1.5"	17.5	290	16.0	.85	1.1



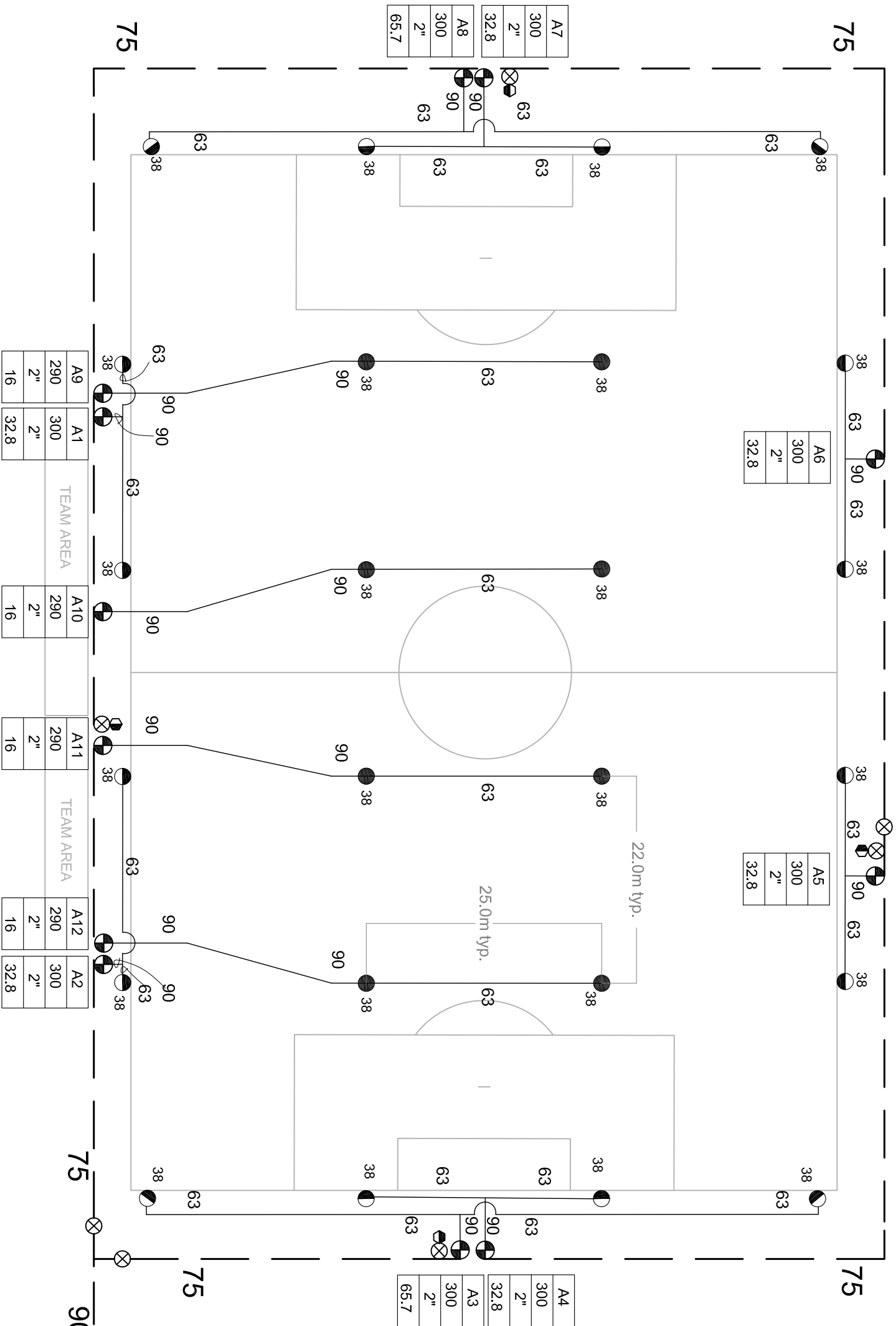
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SOCCER FIELD 75 X 110M
 I-90 FOUR ROW DESIGN

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 www.HunterIndustries.com

SHEET
 1 OF 1



A6	300	2"	32.8
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A5	300	2"	32.8
----	-----	----	------

A7	300	2"	32.8
A8	300	2"	65.7

A4	300	2"	32.8
A3	300	2"	65.7

A1	273	1.5"	19mm/hr
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WATER REQUIREMENT
 WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30M OF FIELD
 -DOWNSTREAM OF BACKFLOW
 IS 300 l/min @ 6.12 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
19mm/hr	PRECIPITATION RATE mm/hr

IRRIGATION LEGEND

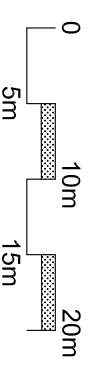
- PRODUCT DESCRIPTION**
- HUNTER I-90-36V-XX, NOZZLE AS SHOWN
 - HUNTER I-90-ADV-XX, NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- 36S @ 5.5 Bars - 145.6 l/min 24.1m RADIUS
 - #38 @ 5.5 Bars - 149.8 l/min 21.9m RADIUS
- ⊕ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - ⊕ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - ⊕ HUNTER ACC-1200-M SOLID STATE METAL CABINET CONTROLLER
 - ⊕ HUNTER SOLAR-SYNG-SEN ON SITE WEATHER SENSOR
 - ⊕ WATER METER MINIMUM SIZE @ 300 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

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	l/min	PR mm/hr	DU	SC (10% WIND)
A1	1.5"	18.0	300	32.8	.84	1.2
A2	1.5"	18.0	300	32.8	.84	1.2
A3	1.5"	18.0	300	65.7	.84	1.2
A4	1.5"	18.0	300	32.8	.84	1.2
A5	1.5"	18.0	300	32.8	.84	1.2
A6	1.5"	18.0	300	32.8	.84	1.2
A7	1.5"	18.0	300	32.8	.84	1.2
A8	1.5"	17.5	290	65.7	.84	1.2
A9	1.5"	17.5	290	16.0	.92	1.1
A10	1.5"	17.5	290	16.0	.92	1.1
A11	1.5"	17.5	290	16.0	.92	1.1
A12	1.5"	17.5	290	16.0	.92	1.1



SOCCER FIELD 75 X 110M
I-90 FOUR ROW DESIGN
LOOPED MAINLINE

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1 OF 1

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SOCCKER FIELD 60 x 90M
I-20 FIVE ROW DESIGN

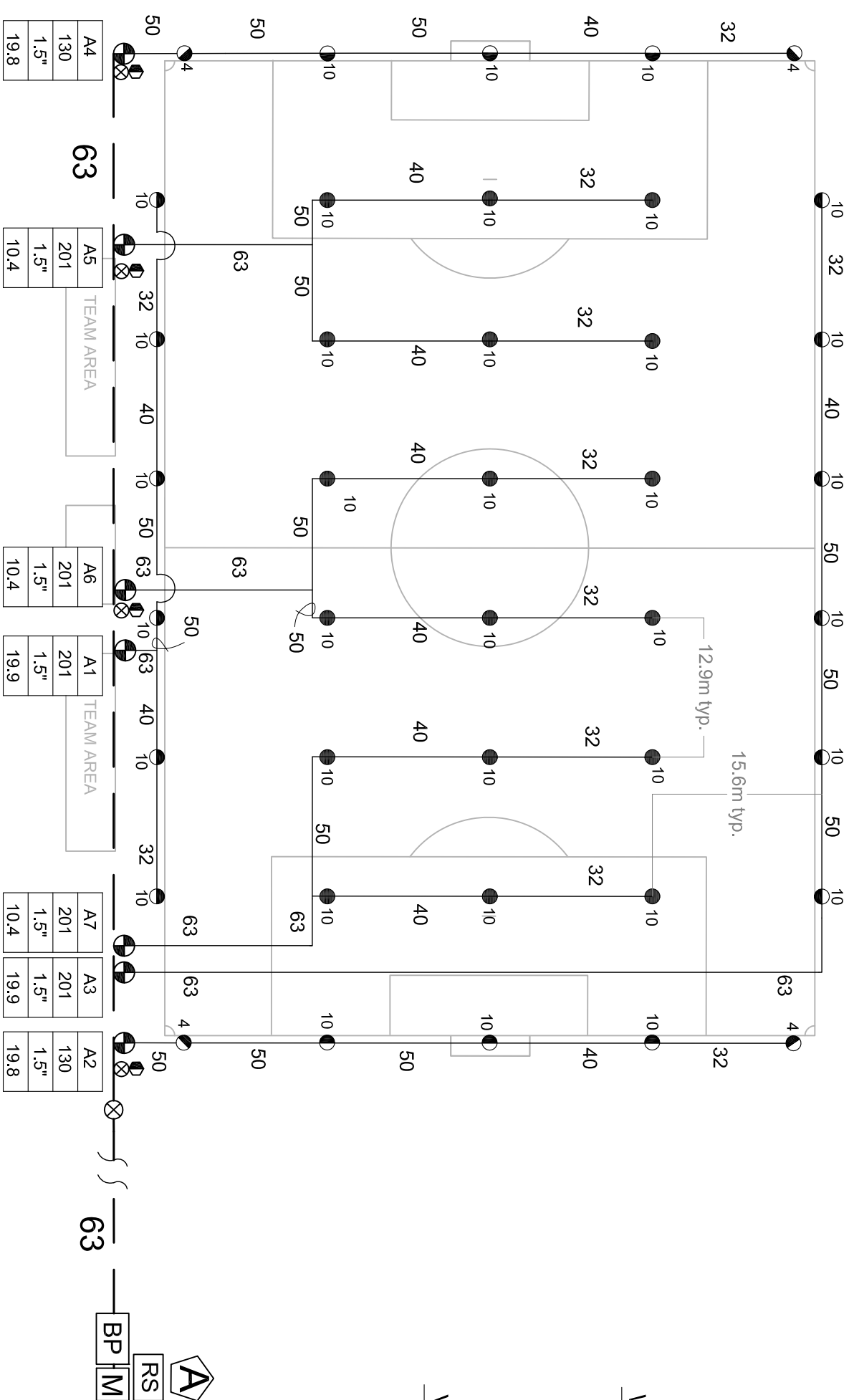
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1 OF 1

WATER REQUIREMENT
WATER REQUIREMENT AT
-FIELD ELEVATION
-WITHIN 30m OF FIELD
-DOWNSTREAM OF
BACKFLOW
IS 201 l/min @ 4.45 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	
1.5"	VALVE SIZE
19mm/hr	PRECIPITATION RATE mm/hr



IRRIGATION LEGEND

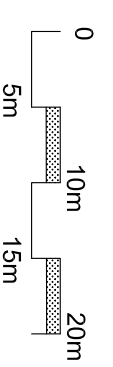
- PRODUCT DESCRIPTION**
- HUNTER I-20-36S-XXI-I-20-6P-36S-XX NOZZLE AS SHOWN
 - HUNTER I-20-ADS-XXI-I-20-6P-ADS-XX NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- #4 @ 3 Bars - 14.8 l/min 11.9m RADIUS
 - #10 @ 3 Bars - 33.5 l/min 12.8m RADIUS
- ⊕ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - ⊕ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - ⊕ HUNTER IC-1200-M SOLID STATE METAL CABINET CONTROLLER
 - ⊕ HUNTER SOLAR-SYNG-SEN ON SITE WEATHER SENSOR
 - ⊕ WATER METER MINIMUM SIZE @ 201 l/min IS 50mm
 - ⊕ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - MAINLINE PIPE
 - LATERAL PIPE
 - SLEEVING
 - ⊗ ISOLATION VALVE LINE SIZED

IRRIGATION NOTES

1. SPRINKLER LOCATIONS ARE TO SCALE
2. PIPE LOCATIONS ARE DIAGRAMMATIC
3. ALL SPRINKLERS TO BE INSTALLED ON 25mm 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/OCV'S OUT OF HIGH TRAFFIC AREAS
9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
10. OCV 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

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	PR l/min	DU mm/hr	SC ₂₀ %/week
A1	1.5"	12.1	201	19.8	.72 1.4
A2	1.5"	7.8	130	19.8	.72 1.4
A3	1.5"	12.1	201	19.9	.72 1.4
A4	1.5"	7.8	130	19.9	.72 1.4
A5	1.5"	12.1	201	10.4	.72 1.4
A6	1.5"	12.1	201	10.4	.72 1.4
A7	1.5"	12.1	201	10.4	.72 1.4

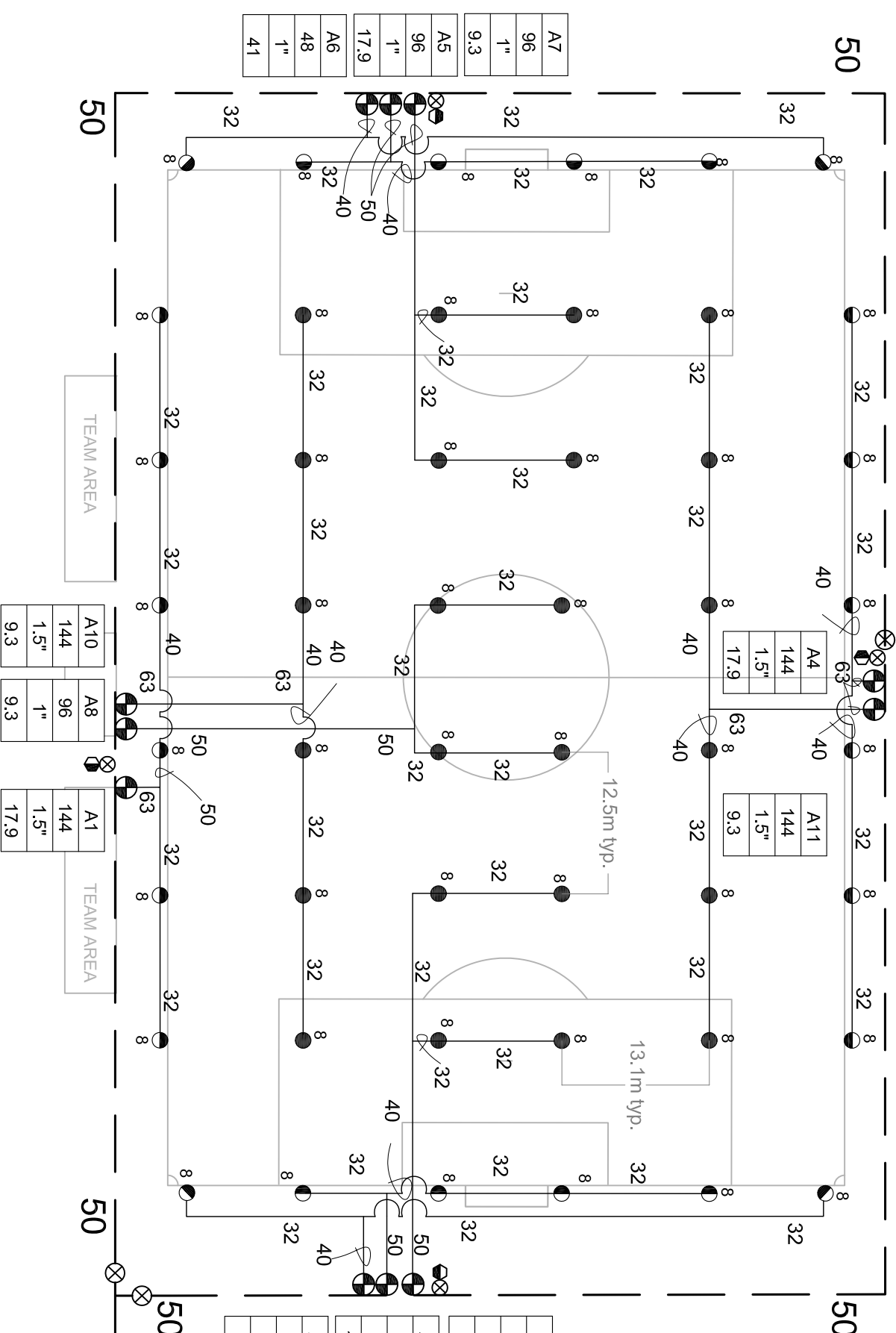


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WATER REQUIREMENT
WATER REQUIREMENT AT
-FIELD ELEVATION
-WITHIN 30m OF FIELD
-DOWNSTREAM OF BACKFLOW
IS 144 l/min @ 4.27 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
18mm/hr	PRECIPITATION RATE mm/hr



IRRIGATION LEGEND

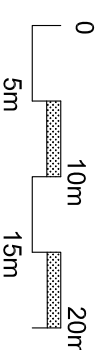
- PRODUCT DESCRIPTION**
- HUNTER I-20-36S-XXI-I-20-6P-36S-XX NOZZLE AS SHOWN
 - HUNTER I-20-ADS-XXI-I-20-6P-ADS-XX NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
#8 @ 3 Bars - 24 l/min 13.1m RADIUS
- HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - HUNTER HQ44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - HUNTER IC-1200-M SOLID STATE METAL CABINET CONTROLLER
 - HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
 - WATER METER MINIMUM SIZE @ 144 l/min IS 50mm
 - 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

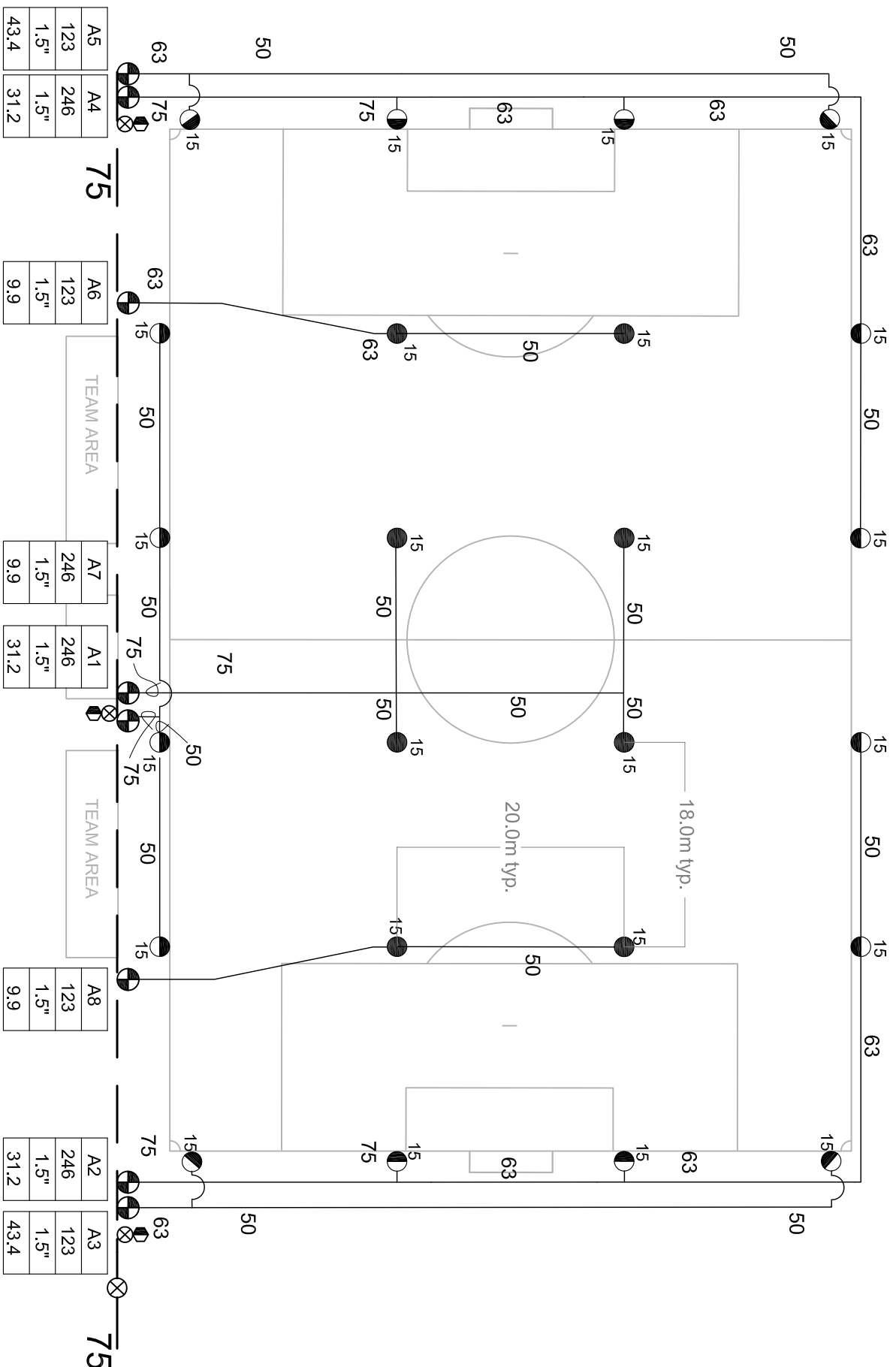
1. SPRINKLER LOCATIONS ARE TO SCALE
2. PIPE LOCATIONS ARE DIAGRAMMATIC
3. ALL SPRINKLERS TO BE INSTALLED ON 25mm SCH 80 SWING JOINTS
4. ALL COMPONENTS TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
5. MAINLINE DEPTH TO BE NO LESS THAN 460mm
6. LATERAL DEPTH TO BE NO LESS THAN 410mm
7. ELECTRIC CONTROL VALVES TO BE COVERED WITH 12" VALVE BOX
8. LOCATE VALVES/OCVs OUT OF HIGH TRAFFIC AREAS
9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
10. OCV 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

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	l/min	PR mm/hr	DU	SC _{COV} /mm/min
A1	1.5"	8.6	144	17.9	.80	1.2
A2	1.5"	5.8	96	17.9	.80	1.2
A3	1.5"	2.9	48	41	.80	1.2
A4	1.5"	8.6	144	17.9	.80	1.2
A5	1.5"	5.8	96	17.9	.80	1.2
A6	1.5"	2.9	48	41	.80	1.2
A7	1.5"	5.8	96	9.3	.80	1.2
A8	1.5"	5.8	96	9.3	.80	1.2
A9	1.5"	5.8	96	9.3	.80	1.2
A10	1.5"	8.6	144	9.3	.80	1.2
A11	1.5"	8.6	144	9.3	.80	1.2



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A5	A4	A4
123	246	123
1.5"	1.5"	1.5"
43.4	31.2	9.9

A6	A7	A7
123	246	123
1.5"	1.5"	1.5"
9.9	9.9	9.9

A1	A1	A1
246	246	246
1.5"	1.5"	1.5"
31.2	31.2	31.2

A8	A2	A3
123	246	123
1.5"	1.5"	1.5"
9.9	31.2	43.4

A2	A3	A3
246	123	123
1.5"	1.5"	1.5"
31.2	43.4	43.4

WATER REQUIREMENT
 WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30M OF FIELD
 -DOWNSTREAM OF
 BACKFLOW
 IS 246 l/min @ 7.14 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
15mm/hr	PRECIPITATION RATE mm/hr

IRRIGATION LEGEND

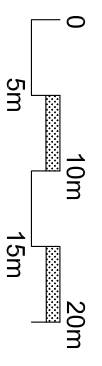
- PRODUCT DESCRIPTION**
- HUNTER I-25-04-SS-B-XX/I-25-06-SS-B-XX, NOZZLE AS SHOWN
 - HUNTER I-25-04-SS-B-XX/I-25-06-SS-B-XX, NOZZLE AS SHOWN
 - NOZZLE PERFORMANCE:
#15 @ 5.5 Bars - 61.5 l/min 17.7m RADIUS
 - ⊕ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - ⊖ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - ⊙ HUNTER IC-1200-M SOLID STATE METAL CABINET CONTROLLER
 - ⊙ HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
 - ⊙ WATER METER MINIMUM SIZE @ 246 l/min IS 50mm
 - ⊙ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - MAINLINE PIPE
 - - - LATERAL PIPE
 - ≡≡≡ SLEEVING
 - ⊗ ISOLATION VALVE LINE SIZED

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/OCV'S OUT OF HIGH TRAFFIC AREAS
9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
10. OCV 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

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	PR mm/hr	DU	SC ₁₀₀ (mm/hr)
A1	1.5"	14.8	31.2	.81	1.2
A2	1.5"	14.8	246	.81	1.2
A3	1.5"	7.4	123	.81	1.2
A4	1.5"	14.8	246	.81	1.2
A5	1.5"	7.4	123	.81	1.2
A6	1.5"	14.8	246	.81	1.2
A7	1.5"	7.4	123	.81	1.2
A8	1.5"	7.4	123	.81	1.2

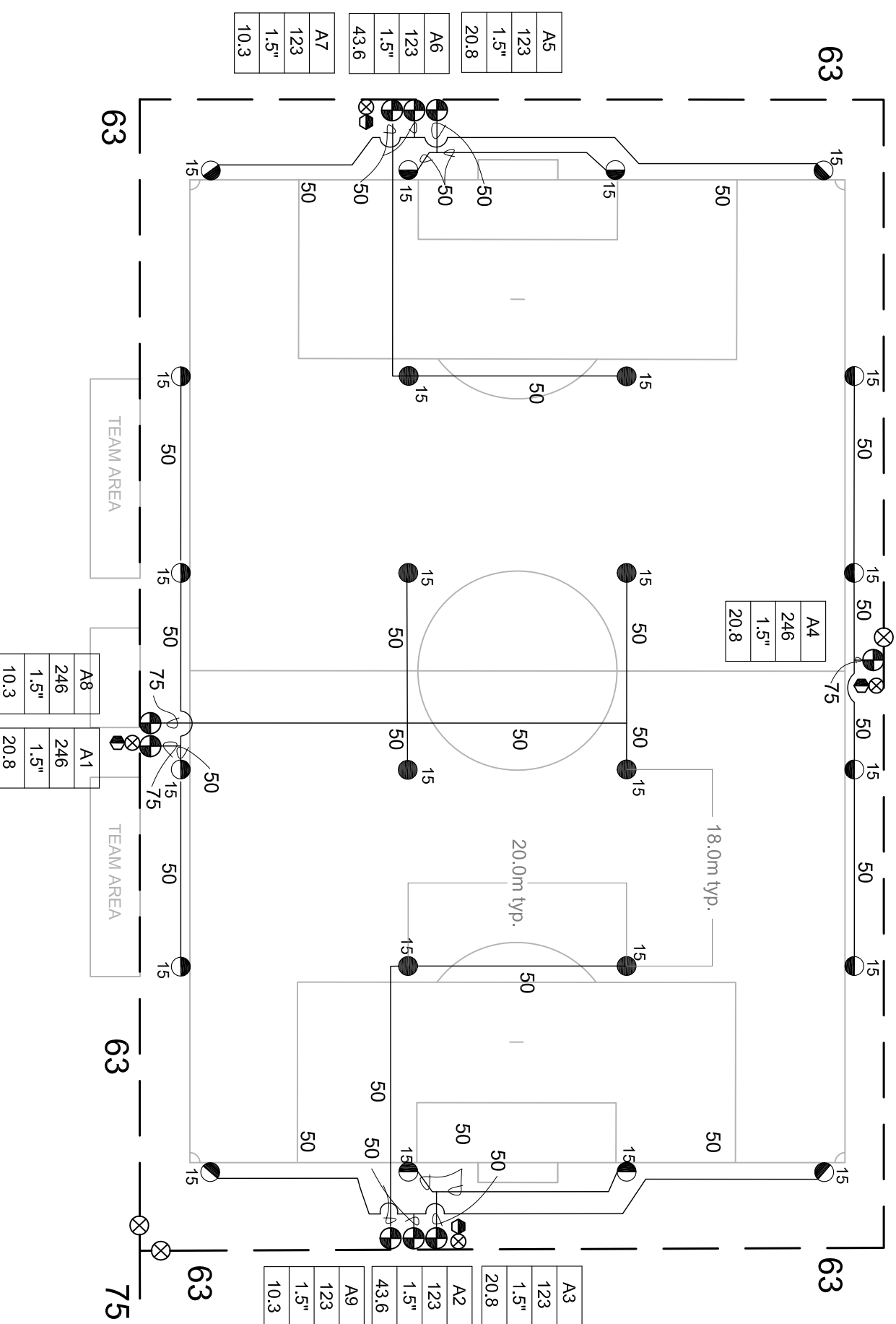


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SOCCER FIELD
I-25 FOUR ROW DESIGN

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 246 l/min @ 6.21 Bars

VALVE ID GUIDE

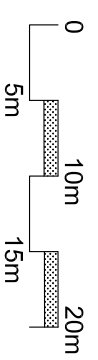
A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
19mm/hr	PRECIPITATION RATE mm/hr

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	l/min	PR mm/hr	DU	SC _{VALVE}
A1	1.5"	14.8	246	20.8	.81	1.2
A2	1.5"	7.4	123	43.6	.81	1.2
A3	1.5"	7.4	123	20.8	.81	1.2
A4	1.5"	14.8	246	20.8	.81	1.2
A5	1.5"	7.4	123	20.8	.81	1.2
A6	1.5"	7.4	123	43.6	.81	1.2
A7	1.5"	7.4	123	10.3	.81	1.2
A8	1.5"	14.8	246	10.3	.81	1.2
A9	1.5"	7.4	123	10.3	.81	1.2

- IRRIGATION NOTES**
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 2. PIPE LOCATIONS ARE DIAGRAMMATIC
 3. ALL SPRINKLERS TO BE INSTALLED ON 32mm SCH 80 SWING JOINTS
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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 SPICE 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

- 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:
#15 @ 5.5 Bars - 61.5 l/min 17.7m 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 @ 246 l/min IS 50mm
 - BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - MAINLINE PIPE
 - LATERAL PIPE
 - SLEEVING
 - ⊗ ISOLATION VALVE LINE SIZED



SOCCKER FIELD 60x90M

I-25 FOUR ROW DESIGN
 LOOPED MAINLINE

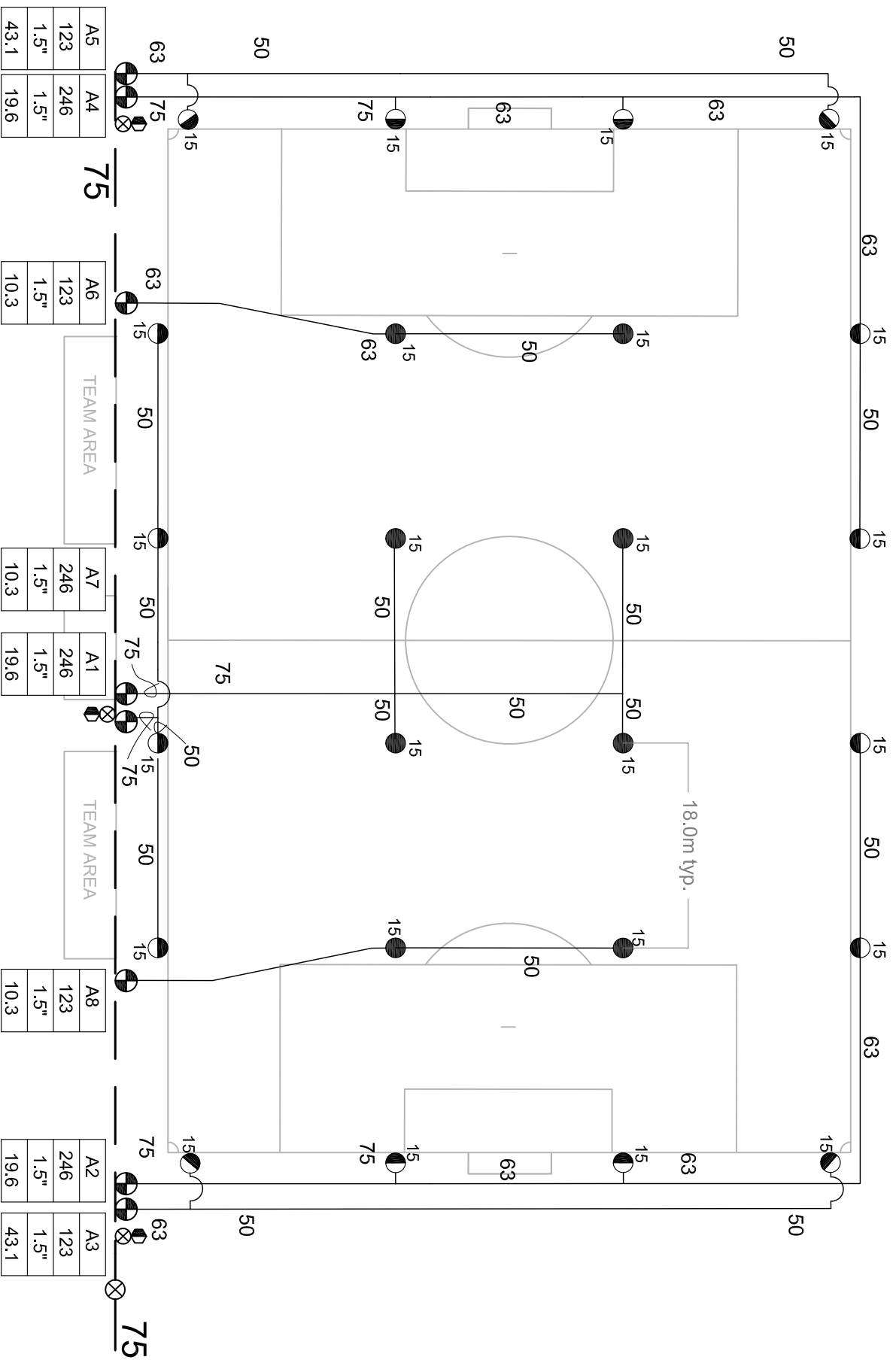


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1 OF 1

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- ### IRRIGATION LEGEND
- PRODUCT DESCRIPTION**
- HUNTER I-35-06-SS-B-XX, NOZZLE AS SHOWN
 - HUNTER I-35-06-SS-B-XX, NOZZLE AS SHOWN
 - NOZZLE PERFORMANCE: #15 @ 5.5 Bars - 61.5 l/min 17.7m 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-SYNG-SEN ON SITE WEATHER SENSOR
 - WATER METER MINIMUM SIZE @ 246 l/min IS 50mm
 - 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/OCV'S OUT OF HIGH TRAFFIC AREAS
 9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
 10. OCV 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

WATER REQUIREMENT

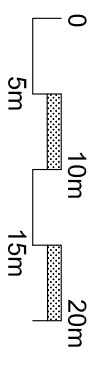
WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30m OF FIELD
 -DOWNSTREAM OF
 BACKFLOW
 IS 246 l/min @ 4.44 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
19mm/hr	PRECIPITATION RATE mm/hr

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	l/min	PR mm/hr	DU	SC ₁₀₀ (mm/min)
A1	1.5"	7.4	123	19.6	.81	1.2
A2	1.5"	7.4	123	19.6	.81	1.2
A3	1.5"	14.8	246	43.1	.81	1.2
A4	1.5"	7.4	123	19.6	.81	1.2
A5	1.5"	14.8	246	43.1	.81	1.2
A6	1.5"	14.8	246	10.3	.81	1.2
A7	1.5"	7.4	123	10.3	.81	1.2
A8	1.5"	14.8	246	10.3	.81	1.2

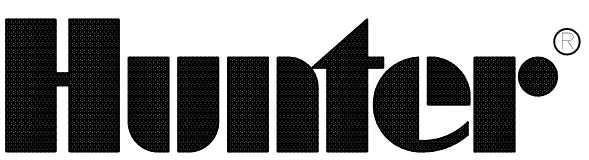


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SOCCER FIELD 60x90M
 I-35 FOUR ROW DESIGN

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



SOCCER FIELD 60x90M
I-35 FOUR ROW DESIGN
LOOPED MAINLINE

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

SHEET

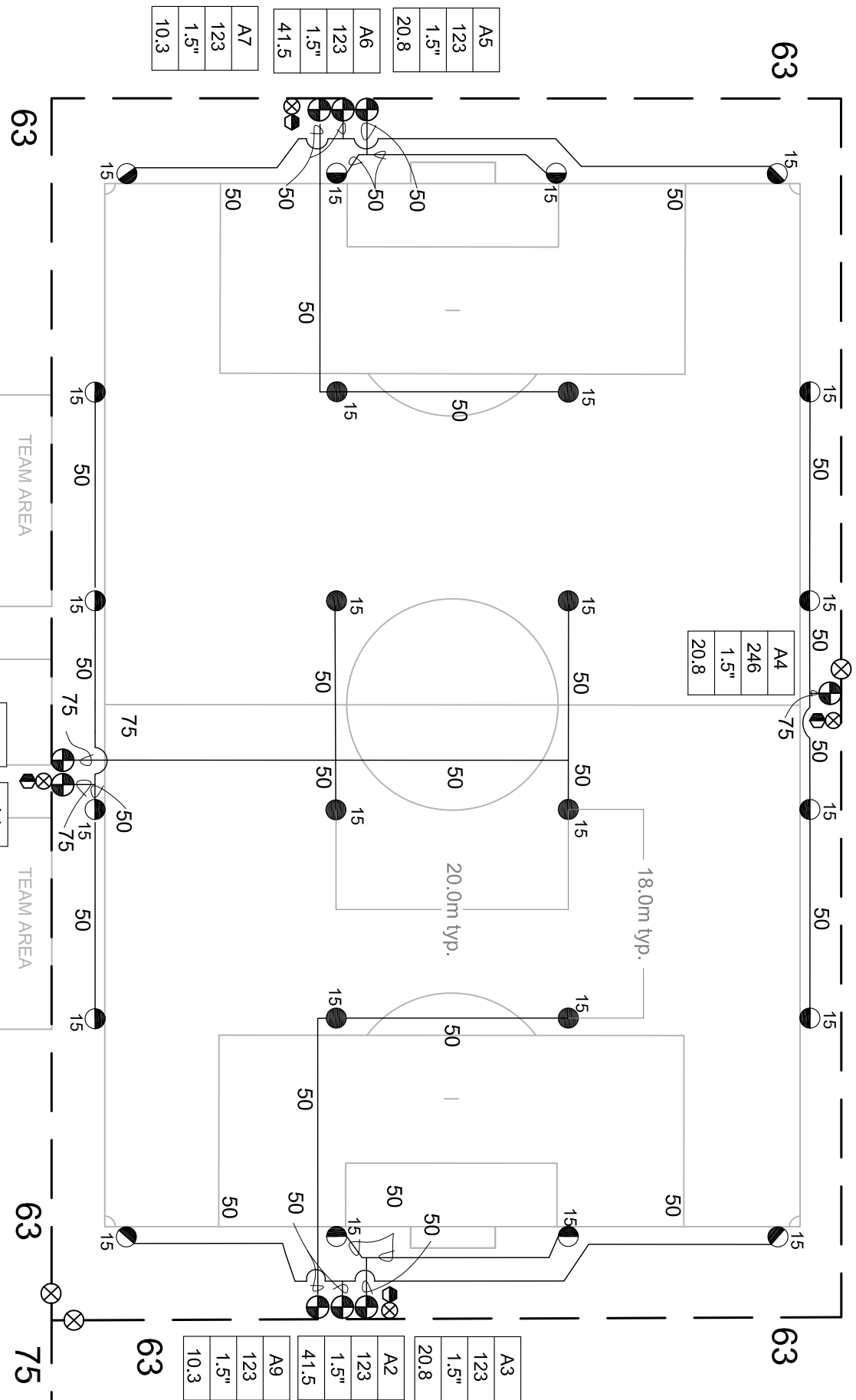
1 OF 1

WATER REQUIREMENT

WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30m OF FIELD
 -DOWNSTREAM OF
 BACKFLOW
 IS 246 l/min @ 5.5 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
15mm/hr	PRECIPITATION RATE mm/hr



IRRIGATION LEGEND

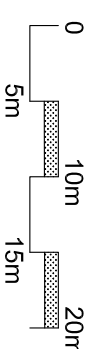
- PRODUCT DESCRIPTION**
- HUNTER I-35-06-SS-B-XX, NOZZLE AS SHOWN
 - HUNTER I-35-06-SS-B-XX; NOZZLE AS SHOWN
 - NOZZLE PERFORMANCE #15 @ 5.5 Bars - 61.5 l/min 17.7m RADUIS
 - HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - HUNTER IC-1200-M SOLID STATE METAL CABINET CONTROLLER
 - HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
 - WATER METER MINIMUM SIZE @ 246 l/min IS 50 mm
 - BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - MAINLINE PIPE
 - LATERAL PIPE
 - SLEEVING
 - ⊗ ISOLATION VALVE LINE SIZED

IRRIGATION NOTES

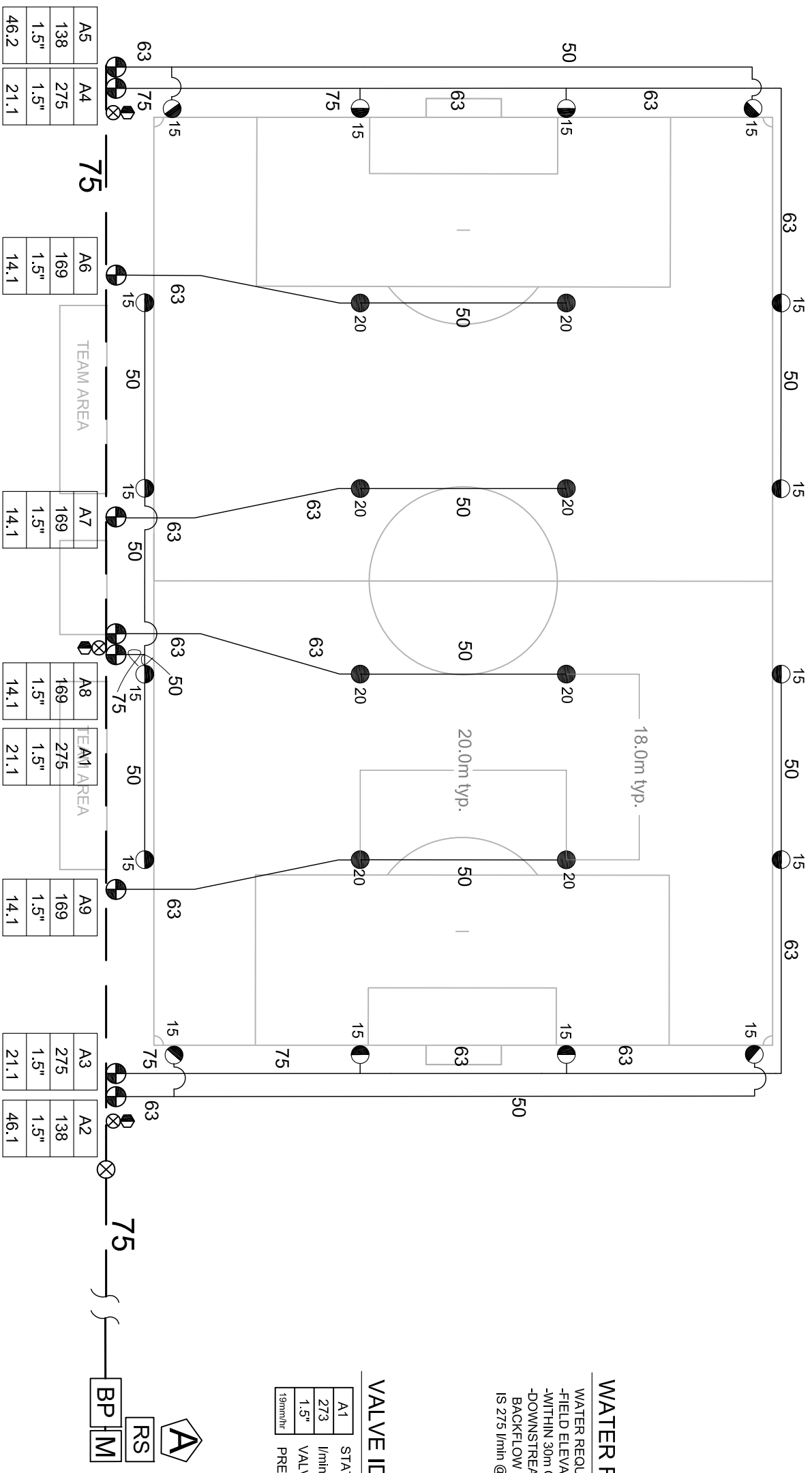
1. SPRINKLER LOCATIONS ARE TO SCALE
2. PIPE LOCATIONS ARE DIAGRAMMATIC
3. ALL SPRINKLERS TO BE INSTALLED ON 32mm SCH 80 SWING JOINTS
4. ALL COMPONENTS TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
5. MAINLINE DEPTH TO BE NO LESS THAN 460mm
6. LATERAL DEPTH TO BE NO LESS THAN 410mm
7. ELECTRIC CONTROL VALVES TO BE COVERED WITH 12" VALVE BOX
8. LOCATE VALVES/GCV'S OUT OF HIGH TRAFFIC AREAS
9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
10. GCV 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

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	FLOW l/min	PR mm/hr	DU	SC ₁₅₀ mm/min
A1	1.5"	14.8	246	20.8	.81	1.2
A2	1.5"	7.4	123	41.5	.81	1.2
A3	1.5"	7.4	123	20.8	.81	1.2
A4	1.5"	14.8	246	20.8	.81	1.2
A5	1.5"	7.4	123	20.8	.81	1.2
A6	1.5"	7.4	123	41.5	.81	1.2
A7	1.5"	7.4	123	10.3	.81	1.2
A8	1.5"	14.8	246	10.3	.81	1.2
A9	1.5"	7.4	123	10.3	.81	1.2



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WATER REQUIREMENT

WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30m OF FIELD
 -DOWNSTREAM OF
 BACKFLOW
 IS 275 l/min @ 6.65 Bars

VALVE ID GUIDE

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
15mm/hr	PRECIPITATION RATE mm/hr

IRRIGATION LEGEND

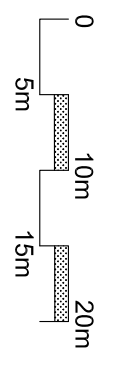
- PRODUCT DESCRIPTION**
- HUNTER I-40-04-SS-ON-B-XX/I-40-06-SS-ON-B-XX NOZZLE AS SHOWN
 - HUNTER I-40-04-SS-B-XX/I-40-06-SS-B-XX NOZZLE AS SHOWN
 - NOZZLE PERFORMANCE:
 #15 @ 5.5 Bars - 68.9 l/min 18.0m RADIUS
 #20 @ 5.5 Bars - 84.7 l/min 20.1m RADIUS
 - ⊕ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
 - ⊕ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - ⊕ HUNTER IC-1200-M SOLID STATE METAL CABINET CONTROLLER
 - ⊕ HUNTER SOLAR-SYNG-SEN ON SITE WEATHER SENSOR
 - ⊕ WATER METER MINIMUM SIZE @ 275 l/min IS 50mm
 - ⊕ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
 - ⊕ MAINLINE PIPE
 - ⊕ LATERAL PIPE
 - ⊕ SLEEVING
 - ⊗ ISOLATION VALVE LINE SIZED

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
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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

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	PR mm/hr	DU	SC _{50%} (mm/min)
A1	1.5"	16.5	21.8	.83	1.2
A2	1.5"	8.3	138	.83	1.2
A3	1.5"	16.5	21.8	.83	1.2
A4	1.5"	16.5	27.5	.83	1.2
A5	1.5"	8.3	138	.83	1.2
A6	1.5"	10.1	169	.83	1.2
A7	1.5"	10.1	169	.86	1.1
A8	1.5"	10.1	169	.86	1.1
A9	1.5"	10.1	169	.86	1.1



SOCGER FIELD 60x90M
 I-40 FOUR ROW DESIGN

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SHEET
 1 OF 1

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