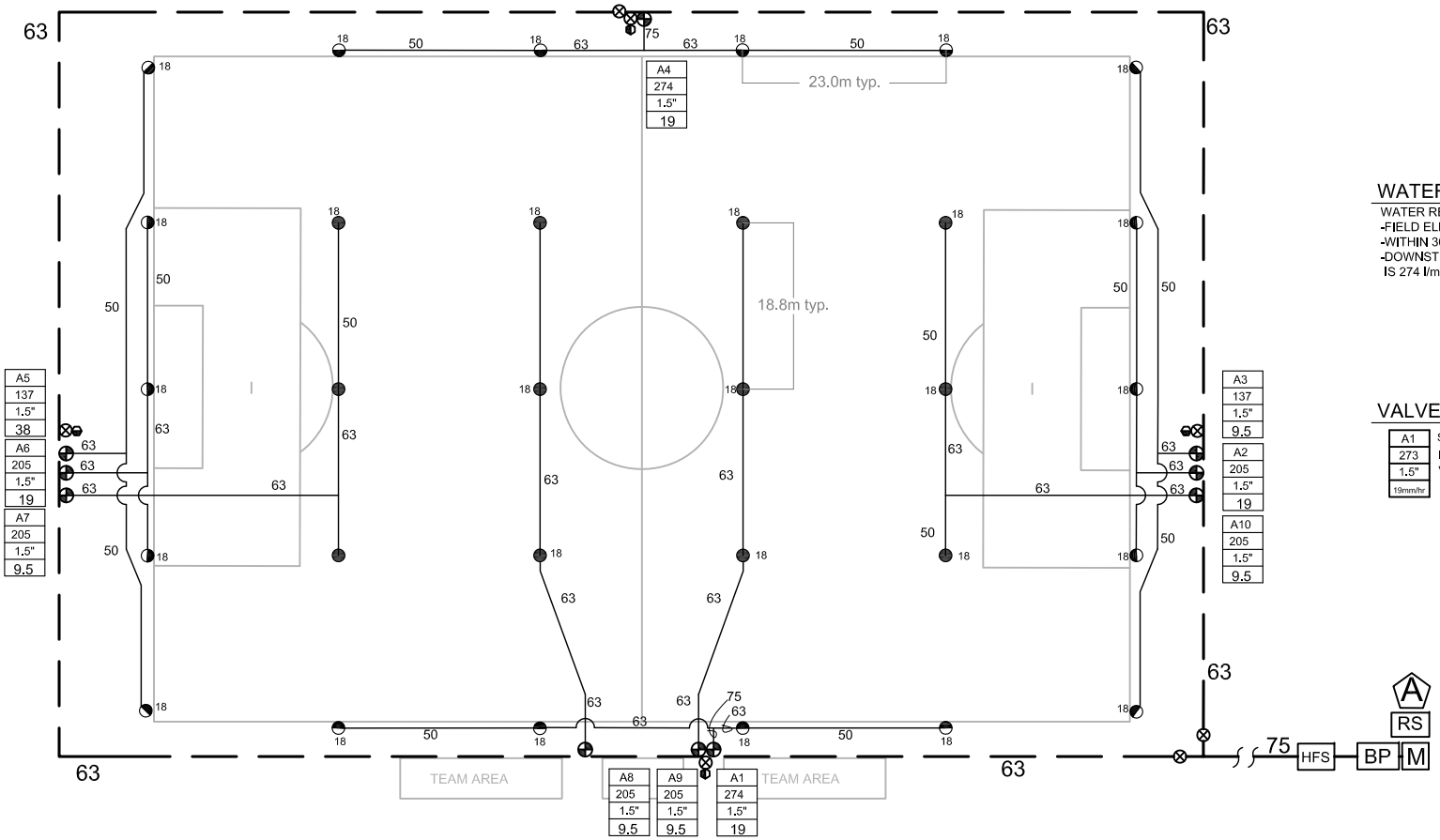


## WATER REQUIREMENT

WATER REQUIREMENT AT
-FIELD ELEVATION
-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 |

## 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)
- A HUNTER IC-1200-M SOLID STATE METAL CABINET CONTROLLER
- RS HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
- M WATER METER MINIMUM SIZE @ 274 l/min IS 63mm
- BP BACKFLOW PREVENTER SIZED TO SYSTEM l/min
- MAINLINE PIPE
- LATERAL PIPE
- SLEEVING
- ISOLATION VALVE LINE SIZED
- HFS 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 m³/hr | FLOW l/min | PR mm/hr | DU | SC (10% WIND) |
|---|---|---|---|---|---|---|
| A1 | 1.5" | 16.4 | 274 | 19 | .82 | 1.3 |
| A2 | 1.5" | 12.3 | 205 | 19 | .82 | 1.3 |
| A3 | 1.5" | 9.82 | 137 | 38 | .82 | 1.3 |
| A4 | 1.5" | 16.4 | 274 | 19 | .82 | 1.3 |
| A5 | 1.5" | 9.82 | 137 | 38 | .82 | 1.3 |
| A6 | 1.5" | 12.3 | 205 | 19 | .82 | 1.3 |
| A7 | 1.5" | 12.3 | 205 | 9.5 | .82 | 1.3 |
| A8 | 1.5" | 12.3 | 205 | 9.5 | .82 | 1.3 |
| A9 | 1.5" | 12.3 | 205 | 9.5 | .82 | 1.3 |
| A10 | 1.5" | 12.3 | 205 | 9.5 | .82 | 1.3 |

0 10m 20m
5m 15m

Hunter Industries offers this plan as a general guide for estimating purposes and offers no indemnity, expressed or implied, for projects installed from this plan. Because of the many variables of every system and of every site we recommend that a qualified irrigation designer be consulted.

Hunter

SOCCER FIELD 75 x 110M

I-35 FIVE ROW DESIGN
LOOPED MAINLINE

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SHEET
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