



AUSTRALIAN FOOTBALL FIELD
I-20 THIRTEEN ROW DESIGN
LOOPED MAINLINE

Hunter Industries
 1950 Diamond Street
 San Marcos, California 92078
 SpecPro Technical Assistance
 1-800-319-4796
 www.HunterIndustries.com

WATER REQUIREMENT

WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30.5M OF FIELD
 -DOWNSTREAM OF BACKFLOW
 IS 304 l/min @ 3.86 Bars

IRRIGATION LEGEND

- PRODUCT DESCRIPTION**
- HUNTER I20-36S-XX/I-20-6P-36S-XX, FULL CIRCLE, NOZZLE AS SHOWN
 - HUNTER I20-ADS-XX/I20-6P-ADS-XX PART CIRCLE, NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
 #5 @ 3.0 Bars - 19.0 l/min 12.8m 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-SYNC-SEN ON SITE WEATHER SENSOR
 - [M] WATER METER MINIMUM SIZE @ 304 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

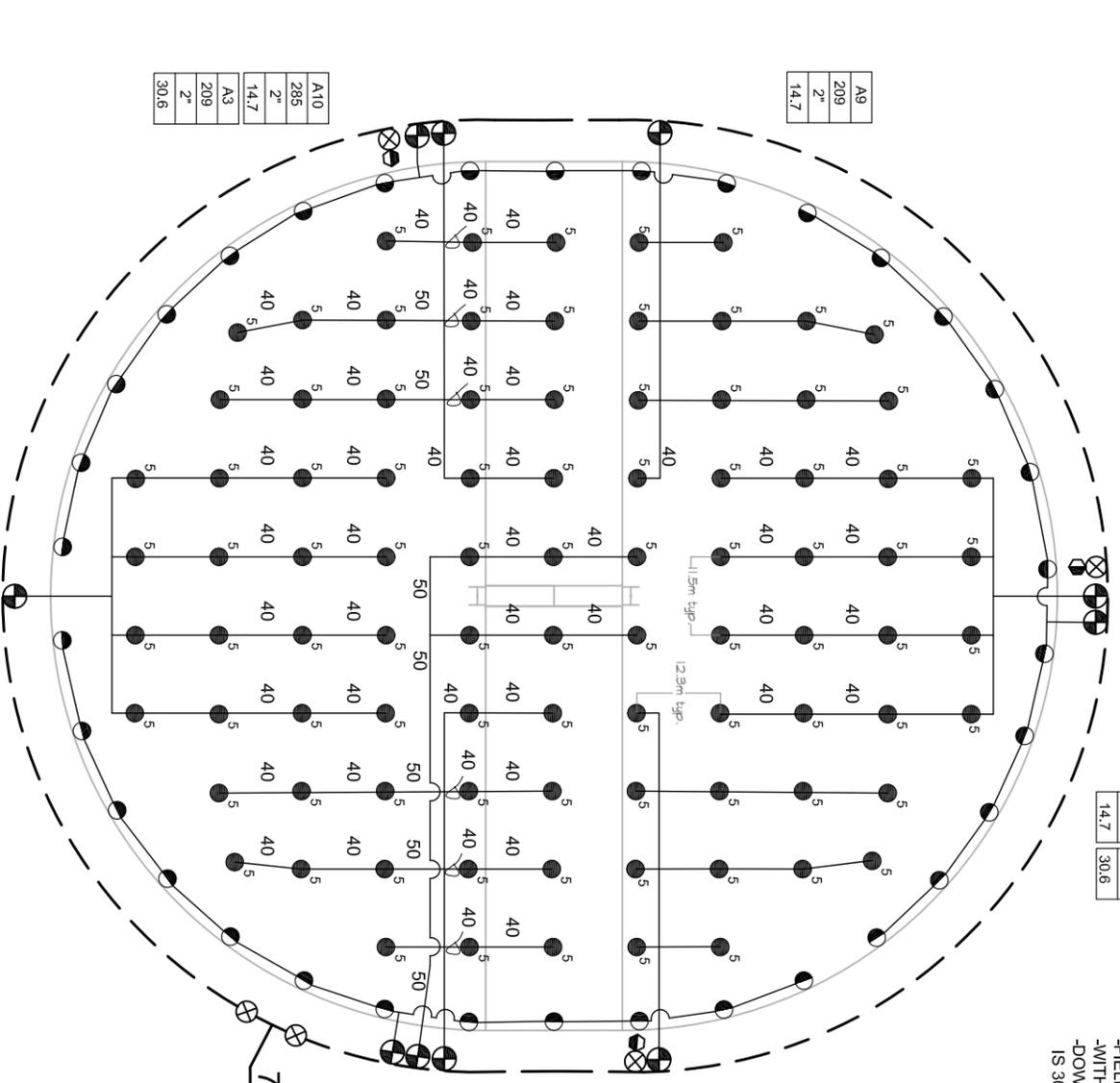
1. SPRINKLER LOCATIONS ARE TO SCALE
2. PIPE LOCATIONS ARE DIAGRAMMATIC
3. ALL SPRINKLERS TO BE INSTALLED ON 25mm SCH 80 SWING JOINTS
4. ALL COMPONENTS TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
5. MAINLINE DEPTH TO BE NO LESS THAN 460mm
6. LATERAL DEPTH TO BE NO LESS THAN 410mm
7. ELECTRIC CONTROL VALVES TO BE COVERED WITH 12" VALVE BOX
8. LOCATE VALVES/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

VALVE ID GUIDE

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

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW m/hr	l/min	PR mm/hr	DU	SC (10% WINDOW)
A1	1.5"	13.7	228	15.4	.80	1.2
A2	1.5"	12.5	209	15.4	.80	1.2
A3	1.5"	12.5	209	15.4	.80	1.2
A4	2"	18.2	304	7.7	.80	1.2
A5	1.5"	6.94	114	7.7	.80	1.2
A6	2"	17.1	285	7.7	.80	1.2
A7	1.5"	12.5	209	7.7	.80	1.2
A8	2"	18.2	304	7.7	.80	1.2
A9	1.5"	12.5	209	7.7	.80	1.2
A10	2"	17.1	285	7.7	.80	1.2



A8	304	A2	30.6
2"	14.7	2"	

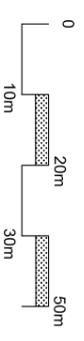
A9	209
2"	14.7

A6	285	A1	30.6
2"	30.6	2"	

A7	209
2"	14.7

A10	285	A3	209
2"	14.7	2"	30.6

A4	385
A4	30.6



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.