



POLO FIELD 182m X 274m  
I-90 SIX ROW DESIGN  
LOOPED MAINLINE

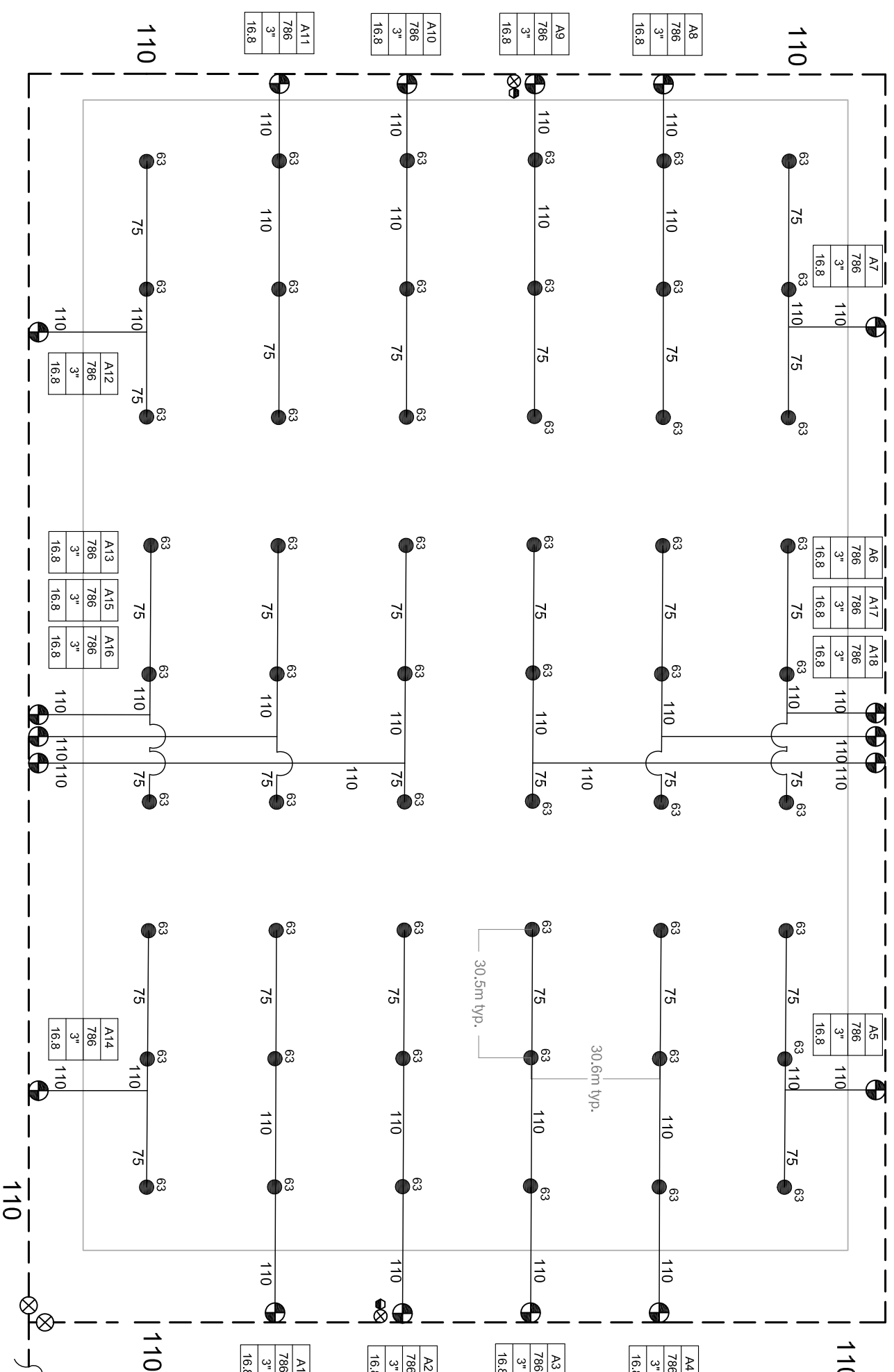
Hunter Industries  
1940 Diamond Street  
San Marcos, California 92078  
SpecPro Technical Assistance  
1-800-319-4796  
www.HunterIndustries.com

SHEET  
1 OF 1

**WATER REQUIREMENT**  
WATER REQUIREMENT AT  
-FIELD ELEVATION  
-WITHIN 30m OF FIELD  
-DOWNSTREAM OF BACKFLOW  
IS 786 l/min @ 8.14bars

**VALVE ID GUIDE**

STATION NUMBER	VALVE SIZE	PRECIPITATION RATE mm/hr
A1	1.5"	13mm/hr
A2	3"	16.8
A3	3"	16.8
A4	3"	16.8



**IRRIGATION LEGEND**

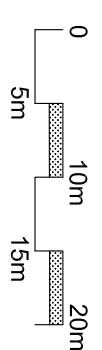
- PRODUCT DESCRIPTION**
- HUNTER I90-36V-XX, FULL CIRCLE, NOZZLE AS SHOWN
  - NOZZLE PERFORMANCE:  
#63 FULL CIRCLE @ 7.0 Bars - 262.2 l/min @ 29.3m RADIUS
  - ⊙ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
  - ⊙ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
  - ⊙ HUNTER ACC-2400-M SOLID STATE METAL CABINET CONTROLLER
  - ⊙ HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
  - ⊙ WATER METER MINIMUM SIZE @ 786 l/min IS 110mm
  - ⊙ BACKFLOW PREVENTER SIZED TO SYSTEM l/min
  - ⊙ MAINLINE PIPE
  - ⊙ LATERAL PIPE
  - ⊙ SLEEVING
  - ⊙ ISOLATION VALVE LINE SIZED
  - ⊙ HUNTER FLOW SENSOR

**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/ICV/S 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

**SYSTEM PERFORMANCE DATA**

ZONE	SIZE	FLOW m <sup>3</sup> /hr	l/min	PR mmH <sub>2</sub> O	DU	SC (%)
A1	3"	47.4	786	16.8	.79	1.4
A2	3"	47.4	786	16.8	.79	1.4
A3	3"	47.4	786	16.8	.79	1.4
A4	3"	47.4	786	16.8	.79	1.4
A5	3"	47.4	786	16.8	.79	1.4
A6	3"	47.4	786	16.8	.79	1.4
A7	3"	47.4	786	16.8	.79	1.4
A8	3"	47.4	786	16.8	.79	1.4
A9	3"	47.4	786	16.8	.79	1.4
A10	3"	47.4	786	16.8	.79	1.4
A11	3"	47.4	786	16.8	.79	1.4
A12	3"	47.4	786	16.8	.79	1.4
A13	3"	47.4	786	16.8	.79	1.4
A14	3"	47.4	786	16.8	.79	1.4
A15	3"	47.4	786	16.8	.79	1.4
A16	3"	47.4	786	16.8	.79	1.4
A17	3"	47.4	786	16.8	.79	1.4
A18	3"	47.4	786	16.8	.79	1.4



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.