COMMERCIALIEGENID

SUB-SURFACE		IRRIGATION LEGEND			-CORE DUAL 2 WIRE INSTALLATION NOTES:
HUNTER HUNTER	ICZ-101 REMOTE CONTROL DRIP ZONE KIT with FILTER and PRESSURE REGULATOR ICZ-151-XL REMOTE CONTROL DRIP ZONE KIT with FILTER and PRESSURE REGULATOR	SYMBOL/NOZZLE Q H F MANUF. MODEL NO. / DESCRIPTION	G.P.M./NOZ PSI Q H F	.	EARTH GROUND SHOULD BE CONNECTED AT EVERY 12TH DECODER, OR 1,000 FT/330 M OF WIRE RUN, WHICHEVER IS SHORTER. THE FINAL DECODER IN ANY WIRE RUN SHOULD BE GROUNDED.
HUNTER	MLD-05-12-250 MINI LANDSCAPE DRIPLINE TUBING 0.4 - 0.85 GPH EMITTERS at 12" ON CENTER SPACING - ALL TUBING SHALL BE INSTALLED ON GRADE BURIED UNDER BARK MULCH W/9" WIRE STAKES THREE (3) FEET ON CENTER; VERIFY LAYOUT and ON CENTER SPACING IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. INSTALL ON GRADE DRIP IRRIGATION SYSTEM per MANUFACTURER'S SPECIFICATIONS.	SPRAY HEADS with CONVENTIONAL FIXED NOZZLE (ON RIS	ER):		2) DUAL-S SURGE PROTECTION DECODERS SHALL BE INSTALLED AT EVERY 12TH DECODER OR EVERY 1000'. 3) ID 1 14AWG WIRE RUNS NOT TO EXCEED 5,000' and ID 2 12AWG WIRE RUNS NOT TO EXCEED 7,500' FOR I-CORE DUAL SYSTEMS.
HUNTER	HDL-06-12-250-CV DRIPLINE TUBING 0.6 GPH PRESSURE COMPENSATING EMITTERS with CHECK VALVE at 12" ON CENTER SPACING - ALL TUBING SHALL BE INSTALLED ON GRADE W/ 9" WIRE STAKES FOUR (4) FEET ON CENTER; VERIFY THE LAYOUT AND 14" ON CENTER SPACING IN THE FIELD PRIOR TO STARTING WORK.	HUNTER PROS-00 with PRO FIXED STRIP PATTERN NOZZLES HUNTER PROS-00 with PRO FIXED ARC NOZZLES HUNTER PROS-00 with PRO FIXED ARC NOZZLES	30 0.65 1.30 30 0.12 0.23 0.47 30 0.24 0.47 0.97		IT IS PREFERRED THAT MASTER VALVE and FLOW SENSOR BE HARDWIRED DIRECTLY TO CONTROLLER. MAXIMUM RECOMMENDED DISTANCE BETWEEN SOLENOID and DECODER IS 100'.
7777 HUNTER	INSTALL ON GRADE DRIP IRRIGATION SYSTEM per MANUFACTURER'S SPECIFICATIONS. HDL-09-18-250-CV DRIPLINE TUBING 0.9 GPH PRESSURE COMPENSATING EMITTERS with CHECK VALVE at	HUNTER PROS-00 with PRO FIXED ARC NOZZLES	30 0.42 0.88 1.59	10'	6) ALL CONNECTIONS AND SPLICES IN THE RED/BLUE TWO-WIRE PATH (IDWIRE) MUST BE MADE WITH DBRY-6 OR EQUAL WATERPROOF CONNECTION IS A A DELITE IN A DOUBLE A DECULATE SLACK IN THE WIPES A FAVE.
TIOINIER	12" ON CENTER SPACING - ALL TUBING SHALL BE INSTALLED ON GRADE W/ 9" WIRE STAKES FOUR (4) FEET ON CENTER; VERIFY THE LAYOUT AND 14" ON CENTER SPACING IN THE FIELD PRIOR TO STARTING WORK. INSTALL ON GRADE DRIP IRRIGATION SYSTEM per MANUFACTURER'S SPECIFICATIONS.	HUNTER PROS-00 with PRO FIXED ARC NOZZLES HUNTER PROS-00 with PRO FIXED ARC NOZZLES	30 0.67 1.30 2.70 30 0.97 1.86 3.75		WHENEVER A SPLICE OR CONNECTION IS MADE, IT IS IMPORTANT TO LEAVE ADEQUATE SLACK IN THE WIRES. LEAVE 5 FT/1.5 M SLACK TO PREVENT CONTRACTION OF THE WIRE FROM DAMAGING THE CONNECTIONS, AND TO ALLOW THE SPLICES TO BE REMOVED FROM THE VALVE BOX FOR SERVICE OR INSPECTION.
HUNTER	ECO-WRAP 17mm SUB-SURFACE DRIPLINE TUBING 0.6 GPH PRESSURE COMPENSATING EMITTERS at 12" ON CENTER SPACING- ALL TUBING SHALL BE INSTALLED 4" MINIMUM BELOW FINISHED SOIL GRADE W/9" WIRE STAKES FOUR (4) FEET ON CENTER; VERIFY THE LAYOUT AND 14" ON CENTER SPACING IN THE FIELD PRIOR TO STARTING WORK. INSTALL SUB-SURFACE DRIP IRRIGATION SYSTEM per MANUFACTURER'S SPECIFICATIONS.	SPRAY HEADS with CONVENTIONAL ADJUSTABLE NOZZLE (**Discrete** Pros-06-prs-30-cv-f** pop up with pro adjustable nozzles**	POP UP): 30 0.22 0.45 0.80	4'	8 INSTALL THE GROUNDING WIRE AND EARTH GROUND HARDWARE AT RIGHT ANGLES FROM THE TWO-WIRE PATHS, WHEN POSSIBLE 9 PRIOR TO INSTALLATION IN THE FIELD, ALL DECODERS SHOULD BE PROGRAMMED ACCORDING TO THE INTENDED WALKET THE CONTROLLED OF WITH THE
HUNTER	ECO-MAT 17mm SUB-SURFACE DRIPLINE TUBING 0.6 GPH PRESSURE COMPENSATING EMITTERS with CHECK VALVE at 12" ON CENTER SPACING - ECO-MAT SHALL BE INSTALLED 4" MINIMUM BELOW	 ♠ ♠ HUNTER PROS-06-PRS-30-CV-F POP UP with PRO ADJUSTABLE NOZZLES ♠ ♠ HUNTER PROS-06-PRS-30-CV-F POP UP with PRO ADJUSTABLE NOZZLES 	30 0.37 0.60 1.26 30 0.44 0.88 1.76		VALVE THEY WILL BE INSTALLED WITH. PROGRAMMING SHOULD TAKE PLACE AT THE CONTROLLER OR WITH THE UTILIZATION OF AN ICD-HP HANDHELD PROGRAMMING DEVICE.
	FINISHED SOIL GRADE W/ 9" WIRE STAKES FIVE (5) FEET ON CENTER; VERIFY THE LAYOUT AND 14" ON CENTER SPACING IN THE FIELD PRIOR TO STARTING WORK. INSTALL SUB-SURFACE DRIP IRRIGATION SYSTEM per MANUFACTURER'S SPECIFICATIONS.	⊕	30 0.50 1.00 2.00	10'	ACC-99D and ACC2 DECODER 2 WIRE INSTALLATION NOTES: (1) GROUNDING RODS TO BE INSTALLED AT EVERY 12TH DECODER OR EVERY 1000' WHICH EVER IS SHORTER. THE
	USE HUNTER PLD-LOC FITTINGS FOR CONNECTION BETWEEN PVC LATERAL LINES AND INLINE DRIP TUBING.		30 0.63 1.26 2.52 30 0.93 1.86 3.72		FINAL DECODER IN ANY WIRE RUN SHOULD BE GROUNDED. (2) INSTALL (1) SINGLE STATION ICD-100 AT THE MASTER VALVE.
(F) HUNTER	PLD-BV MANUAL FLUSH VALVE PROVIDE 6' OF FLEXSG TUBING AFTER THE BALL VALVE. INSTALL INSIDE 6" ROUND VALVE BOX, AT THE FAR END OF DRIP LINE LATERAL. INSTALL MINIMUM OF ONE FLUSH VALVE PER MAXIMUM OF 800' OF TUBING. MULTIPLE FLUSH VALVES MAY BE REQUIRED WITHIN DRIP LINE LAYOUT. ALWAYS INSTALL VALVES IN OPPOSITE DIRECTIONS OF THE PVC/DRIP CONNECTION	ROTARY NOZZLES (ON RISER) PROS-00-PRS-40: 1) 2) HUNTER PROS-00-PRS-40 W/ HCV CHECK VALVE and MP ROTATOR 800SR SERIES NOZZLES	40 .23 .42 .78	6-12'	DECODER GROUNDING HARDWARE SHOULD ALWAYS BE CONNECTED AND PLACED AT RIGHT ANGLES TO THE RUN OF THE TWO-WIRE PATH. (4) ID 1 14AWG WIRE RUNS NOT TO EXCEED 10,000' AND ID 2 12AWG WIRE RUNS NOT TO EXCEED 15,000' FOR
(F) HUNTER	MANIFOLD. AFV-T AUTOMATIC FLUSH VALVE INSTALL INSIDE 6" ROUND VALVE BOX, AT THE FAR END OF DRIP LINE LATERAL. INSTALL MINIMUM OF ONE FLUSH VALVE PER MAXIMUM OF 800' OF TUBING. MULTIPLE FLUSH	3 4 5 HUNTER PROS-00-PRS-40 W/HCV CHECK VALVE and MP ROTATOR 815 SERIES NOZZLES	40 .49 .93 1.87	7 8-16'	ACC/ICD SYSTEMS. MAXIMUM RECOMMENDED DISTANCE BETWEEN SOLENOID AND DECODER IS 100'.
	VALVES MAY BE REQUIRED WITHIN DRIP LINE LAYOUT. ALWAYS INSTALL VALVES IN OPPOSITE DIRECTIONS OF THE PVC/DRIP CONNECTION MANIFOLD.	678 HUNTER PROS-00-PRS-40 W/HCV CHECK VALVE and MP ROTATOR 1000 SERIES NOZZLES 9101 HUNTER PROS-00-PRS-40 W/HCV CHECK VALVE and MP ROTATOR 2000 SERIES NOZZLES		8-14' 3 13-21'	6 INSTALL (1) ICD-SEN DECODER AT THE FLOW SENSOR.
A HUNTER	PLD-ARV AIR/VACUUM RELIEF VALVE INSTALLED with PLD-050-TB-TEE. INSTALL AIR RELIEF ASSEMBLY INSIDE A 6" ROUND VALVE BOX AT THE HIGH POINT OF EACH PLANTER, MIN. 1 ARV PER 500' OF DISTRIBUTION TUBING. USING AIR RELIEF LATERAL, CONNECT AIR RELIEF VALVE TO ALL DRIP LINE	12 13 14 HUNTER PROS-00-PRS-40 W/HCV CHECK VALVE and MP ROTATOR 3000 SERIES NOZZLES 15 HUNTER PROS-00-PRS-40 W/HCV CHECK VALVE and MP ROTATOR 3500 SERIES NOZZLES	40 .86 1.82 3.64 40 1.28 2.86	4 22-30' (31-35'	7) ALL CONNECTIONS AND SPLICES IN THE RED/BLUE TWO-WIRE PATH (IDWIRE) MUST BE MADE WITH DBRY-6 OR EQUAL WATERPROOF CONNECTORS.
A HUNTER	LATERALS WITHIN THE ELEVATED AREA. AVR-075 AIR/VACUUM RELIEF VALVE INSTALLED with PLD-075-TB-TEE. INSTALL AIR RELIEF ASSEMBLY	RC (C) (SS) HUNTER PROS-00-PRS-40 W/HCV CHECK VALVE and MP ROTATOR CORNER SERIES NOZZLES	40 .22 .22 .44 40 .39	4 5-30'	(8) WHENEVER A SPLICE OR CONNECTION IS MADE, IT IS IMPORTANT TO LEAVE ADEQUATE SLACK IN THE WIRES. LEAVE 5 FT/1.5 M SLACK TO PREVENT CONTRACTION OF THE WIRE FROM DAMAGING THE CONNECTIONS, AND TO ALLOW THE SPLICES TO BE REMOVED FROM THE VALVE BOX FOR SERVICE OR INSPECTION.
	INSIDE A 6" ROUND VALVE BOX AT THE HIGH POINT OF EACH PLANTER, MIN. 1 ARV PER 500' OF DISTRIBUTION TUBING. USING AIR RELIEF LATERAL, CONNECT AIR RELIEF VALVE TO ALL DRIP LINE LATERALS WITHIN THE ELEVATED AREA.	HUNTER PROS-00-PRS-40 W/ HCV CHECK VALVE and MP ROTATOR CORNER SERIES NOZZLES ROTARY NOZZLES (POP UP) PROS-06-PRS-30:	1 ∪ .∪7	8-15'	9 INSTALL THE GROUNDING WIRE AND EARTH GROUND HARDWARE AT RIGHT ANGLES FROM THE TWO-WIRE PATHS, WHEN POSSIBLE
	MULTIPLE ARV'S MAY BE REQUIRED PER RCV WITHIN UNDULATING AREAS, VERIFY QUANTITY PRIOR TO STARTING WORK, FLUSH VALVES and AIR RELIEF VALVES SHOWN DIAGRAMMATICALLY, INSTALL VALVE	1 2 HUNTER PROS-06-PRS-30-CV-F W/ MP ROTATOR 800SR SERIES NOZZLES	30 .17 .33 .66	6-12'	PRIOR TO INSTALLATION IN THE FIELD, ALL DECODERS SHOULD BE PROGRAMMED ACCORDING TO THE INTENDED VALVE THEY WILL BE INSTALLED WITH. PROGRAMMING SHOULD TAKE PLACE AT THE CONTROLLER OR WITH THE
(EI) HUNTER	BOX 18" FROM PAVING AND AT HIGH POINTS OF PLANTER AREA. ECO-ID DRIP SYSTEM INDICATOR. INSTALL (1) INDICATOR PER DRIP VALVE. INSTALL ECO-ID DRIP SYSTEM	3 4 5 HUNTER PROS-06-PRS-30-CV-F W/ MP ROTATOR 815 SERIES NOZZLES 3 4 5 HUNTER PROS-06-PRS-30-CV-F W/ MP ROTATOR 1000 SERIES NOZZLES		2 8-16'	UTILIZATION OF AN ICD-HP HANDHELD PROGRAMMING DEVICE.
AS APPROVE	INDICATOR ON EXHAUST HEADER OPPOSITE OF THE FLUSH VALVE. ED NON-PRESSURE LATERAL SCH. 40 SUPPLY LATERAL. NOTE EXHAUST LATERALS NOT SHOWNCOLOR	678 HUNTER PROS-06-PRS-30-CV-F W/ MP ROTATOR 2000 SERIES NOZZLES	30 .38 .64 1.28	3 13-21'	SOLAR SYNC SENSOR PLACEMENT NOTE: THE SOLAR SYNC SENSOR SHALL BE INSTALLED ON THE SOUTH OR SOUTHWESTERN FACING AREA OF THE ROOF. THE AREA SELECTED SHALL BE IN A CLEAR OPEN AREA OF THE ROOF NOT EFFECTED BY SHADE FROM ANOTHER
	PURPLE. PUR	(2) (10) (11) HUNTER PROS-06-PRS-30-CV-F W/MP ROTATOR 3000 SERIES NOZZLES 12) HUNTER PROS-06-PRS-30-CV-F W/MP ROTATOR 3500 SERIES NOZZLES	30 .76 1.58 3.15 30 1.13 2.86	31-35'	BUILDING OR TREE. THE CONTRACTOR SHALL INSTALL THE SENSOR ON AN EAVE OR FASCIA BOARD PER THE DIRECTION OF THE LANDSCAPE ARCHITECT. ALL WIRING SHALL BE CONCEALED PER THE DIRECTION OF THE
	INSTALL LATERALS per MANUFACTURER'S SPECIFICATIONS and RECOMMENDATIONS TO AVOID LOW PRESSURE THROUGH DRIPPERLINE and CONNECTIONS.	LC RC SS HUNTER PROS-06-PRS-30-CV-F W/MP ROTATOR STRIPS SERIES NOZZLES HUNTER PROS-06-PRS-30-CV-F W/MP ROTATOR CORNER SERIES NOZZLES	30 .19 .19 .38 30 .34	8-15'	LANDSCAPE ARCHITECT EITHER WITHIN PVC CONDUIT OR OTHER MEANS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
	PALM DRIPPER RING: HLD-09-12-250-CV SUB-SURFACE DRIPLINE TUBING 0.9 GPH EMITTERS at 8" ON CENTER CONCENTRIC RING SPACING- ALL TUBING SHALL BE INSTALLED 4" MINIMUM BELOW FINISHED SOIL GRADE W/ 9" WIRE STAKES FIVE (5) FEET ON CENTER; VERIFY THE LAYOUT AND 8" ON CENTER	ROTARY NOZZLES (POP UP) PROS-06-PRS-40:			RRIGATION POINT-OF-CONNECTION NOTES: 1 POINT OF CONNECTION TO THE X" WATER METER, PROVIDED AND INSTALLED BY OTHERS. THE CONTRACTOR
HUNTER	SPACING IN THE FIELD PRIOR TO STARTING WORK. SEE DETAIL. TREE DRIPPER RING: ECO-WRAP 17mm SUB-SURFACE DRIPLINE TUBING 0.6 GPH EMITTERS at 12" ON	1) 2 HUNTER PROS-06-PRS-40-CV-F W/ MP ROTATOR 800SR SERIES NOZZLES	40 .23 .42 .78	6-12'	SHALL RUN A X" PVC MAIN LINE PIPE FROM THE WATER METER TO THE X" BACKFLOW PREVENTION DEVICE THEN TO THE X" NORMALLY OPEN MASTER VALVE, AND THE X" FLOW SENSOR. FINAL LOCATION OF THE BACKFLOW PREVENTION DEVICE, NORMALLY OPEN MASTER VALVE, AND FLOW SENSOR SHALL BE APPROVED BY THE
	CENTER CONCENTRIC RING SPACING- ALL TUBING SHALL BE INSTALLED 4" MINIMUM BELOW FINISHED SOIL GRADE W/9" WIRE STAKES FOUR (4) FEET ON CENTER; VERIFY THE LAYOUT AND 12" ON CENTER SPACING IN THE FIELD PRIOR TO STARTING WORK. SEE DETAIL.	3 4 5 HUNTER PROS-06-PRS-40-CV-F W/ MP ROTATOR 815 SERIES NOZZLES 6 7 8 HUNTER PROS-06-PRS-40-CV-F W/ MP ROTATOR 1000 SERIES NOZZLES		7 8-16' · 8-14'	OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE IN THE FIELD BEFORE COMMENCEMENT OF THE PROJECT. IF THE PRESSURE VARIES 20% FROM THE STATED OPERATING PRESSURE, IMMEDIATELY CONTACT THE LANDSCAPE ARCHITECT FOR ADDITIONAL DIRECTIVE.
HUNTER	PVC FLEX RISER POINT SOURCE / HANGING DRIP: IH-12-10-CV and IH-24-10-CV FLEXIBLE PVC RISER with 1.0 GPH NOZZLE. VERIFY THE LAYOUT and ON CENTER SPACING IN THE FIELD PRIOR TO STARTING WORK.	9 10 11 HUNTER PROS-06-PRS-40-CV-F W/ MP ROTATOR 2000 SERIES NOZZLES 12 13 14 HUNTER PROS-06-PRS-40-CV-F W/ MP ROTATOR 3000 SERIES NOZZLES		3 13-21' 4 22-30'	2 STUB AND CAP A X" PVC SCHEDULE 40 PRESSURE SUPPLY LINE FOR FUTURE IRRIGATION. RUN CONTROL WIRES FOR IRRIGATION STATIONS ONE (1) COMMON, AND X (X) SPARE WIRES FROM THE CONTROLLER TO THIS POINT.
• •	INSTALL ON per MANUFACTURER'S SPECIFICATIONS. PVC FLEX RISER ASSEMBLY FOR SHRUBS:	15 HUNTER PROS-06-PRS-40-CV-F W/ MP ROTATOR 3500 SERIES NOZZLES	40 1.28 2.86	31-35'	MAKE A 6" DIAMETER LOOP FROM AN ADDITIONAL SIX FEET OF WIRE AND INSTALL THE LOOP INSIDE A RECTANGULAR PULL BOX. BRAND THE LETTERS "WS" ON THE LID OF THE BOX FOR FUTURE IDENTIFICATION.
	USE PART# IH-XX. SEE EMITTER LAYOUT DETAILS FOR LENGTH REQUIRED PER SHRUB. CONTRACTOR MAY SELF-ASSEMBLE PART# IH-250 FLEX PVC TUBING CUT TO FIT WITH A 1/2" BROWN HUNTER MALE ADAPTER PART# IH-FIT-3850. PRIME AND BOND COMPONENTS WITH CHRISTIE'S PURPLE PRIMER AND CHRISTIE'S FLEXPRO GLUE. INSTALL ONE EMITTER PER SHRUB X"-X" FROM ROOTBALL ON HIGH SIDE OF PLANT, REFER TO EMITTER LAYOUT DETAIL.	HUNTER PROS-06-PRS-40-CV-F W/ MP ROTATOR STRIPS SERIES NOZZLES HUNTER PROS-06-PRS-40-CV-F W/ MP ROTATOR CORNER SERIES NOZZLES	40 .22 .22 .44 40 .39	4 5-30' 8-15'	3 STUB AND CAP A 1" COPPER PIPE WITH A THREADED FITTING SOLDERED TO THE END. EXTEND THE STUB A MINIMUM OF 24" FROM THE FACE OF BUILDING AND 18" FROM TOP OF FINISH GRADE. FOR FUTURE IDENTIFICATION, MARK THE LOCATION OF THE STUB ON THE FACE OF THE BUILDING.
	PVC FLEX RISER ASSEMBLY FOR TREES: USE PART# IH-XX. SEE EMITTER LAYOUT DETAILS FOR LENGTH REQUIRED PER SHRUB. CONTRACTOR MAY	ROTARY NOZZLES (POP UP) PROS-12-PRS-40: 1) 2) HUNTER PROS-12-PRS-40-CV-F W/ MP ROTATOR 800SR SERIES NOZZLES	40 .23 .42 .78	6-12'	(4) IRRIGATION CONTRACTOR SHALL CONNECT TO 1" COPPER STUB-OUT (PROVIDED BY PLUMBER).
	SELF-ASSEMBLE PART# IH-250 FLEX PVC TUBING CUT TO FIT WITH A 1/2" BROWN HUNTER MALE ADAPTER PART# IH-FIT-3850. PRIME AND BOND COMPONENTS WITH CHRISTIE'S PURPLE PRIMER AND CHRISTIE'S FLEXPRO GLUE. INSTALL ONE EMITTER PER SHRUB X"-X" FROM ROOTBALL ON HIGH SIDE OF PLANT, REFER	3 4 5 Hunter Pros-12-prs-40-cv-f W/MP rotator 815 series nozzles	40 .49 .93 1.87	7 8-16'	
	TO EMITTER LAYOUT DETAIL. DRIP EMITTER FOR SHRUBS:	6 7 8 HUNTER PROS-12-PRS-40-CV-F W/ MP ROTATOR 1000 SERIES NOZZLES 9 10 11 HUNTER PROS-12-PRS-40-CV-F W/ MP ROTATOR 2000 SERIES NOZZLES		8-14' 3 13-21'	
	USE MODEL HEBXX with SCREENCV PRESSURE COMPENSATING SCREEN WITH CHECK VALVE. SEE SHRUB EMITTER LAYOUT DETAIL FOR EXACT EMITTER SIZE PER SHRUB SIZE. FOR EXACT EMITTER COUNT CONTRACTOR SHALL USE LANDSCAPE DRAWINGS FOR SHRUB COUNT. CONTRACTOR IS RESPONSIBLE	12 13 14 HUNTER PROS-12-PRS-40-CV-F W/ MP ROTATOR 3000 SERIES NOZZLES 15 HUNTER PROS-12-PRS-40-CV-F W/ MP ROTATOR 3500 SERIES NOZZLES	40 .86 1.82 3.64 40 1.28 2.86	4 22-30' 31-35'	
	FOR EMITTER COUNT, ALL SHRUBS SHOWN ON LANDSCAPE DRAWINGS SHALL RECEIVE THE REQUIRED EMITTERS PER THE EMITTER LAYOUT DETAIL.	RC LC SS HUNTER PROS-12-PRS-40-CV-F W/ MP ROTATOR STRIPS SERIES NOZZLES C HUNTER PROS-12-PRS-40-CV-F W/ MP ROTATOR CORNER SERIES NOZZLES	40 .22 .22 .44 40 .39	4 5-30' 8-15'	
	DRIP EMITTER FOR TREES: USE MODEL HEBXX with SCREENCV PRESSURE COMPENSATING SCREEN WITH CHECK VALVE. SEE TREE EMITTER LAYOUT DETAIL FOR EXACT EMITTER SIZE PER TREE SIZE. FOR EXACT EMITTER COUNT CONTRACTOR SHALL USE LANDSCAPE DRAWINGS FOR TREE COUNT. CONTRACTOR IS RESPONSIBLE	ROTORS PSI NOZZLE / RADIUS / FLOW	IRRIC	GATION U	
	FOR EMITTER COUNT, ALL TREES SHOWN ON LANDSCAPE DRAWINGS SHALL RECEIVE THE REQUIRED EMITTERS PER THE EMITTER LAYOUT DETAIL.	HUNTER I-20-00 on 3/4" SCH 80 RISER 45/50 2.0/34'/2.0 4.0/40'/4.0 3.0SR/25'/3.0	2.0LA/28'/2.1	AS APPROVED	2" DEDICATED LANDSCAPE METER and SERVICE LINE by OTHERS. 2" BACKFLOW PREVENTION UNIT - TO BE INSTALLED in METAL ENCLOSURE POWDER COATED COLOR
HUNTER	MPE-XX MULTI-PORT EMITTER with X.X GPH NOZZLE. ALL UNUSED EMITTER PORTS TO BE CAPPED WITH MPE-CAPS. ALL $\frac{1}{4}$ " DISTRIBUTION TUBING CONNECTIONS TO BE FIELD VERIFIED and INSTALLED per MANUFACTURER'S SPECIFICATIONS.	HUNTER I-20-06-SS on SJ-7506 SWING JOINT 45/50 2.0/34'/2.0 4.0/40'/4.0 3.0SR/25'/3.0 HUNTER I-20-12 on SJ-7506 SWING JOINT 45/50 2.0/34'/2.0 4.0/40'/4.0 3.0SR/25'/3.0	J 2.0LA/28/2.1	AS APPROVED	BLACK. GATE VALVE - BLOCKED TRUE UNION PVC - 2" & SMALLER (LOCATE IN PLANTING AREAS - SHOWN
	POINT SOURCE DRIP: RR18-T 18" RIGID RISER with $\frac{1}{2}$ " THREADED BASE. CONTRACTOR TO CUT RISER TO SPECIFIED HEIGHT IN THE FIELD. USE TEFLON TAPE ON ALL THREADED CONNECTIONS.	HUNTER I-20-06-PRB on SJ-7506 SWING JOINT 45 02/34'/2.00 03/38'/3.00 6/43'/6.0		HUNTER	FOR CLARITY ONLY) HQ-33LRC 3/4" QUICK COUPLER VALVE with LOCKING RUBBER COVER and 2 PIECE BODY. INSTALL at 100' o.c. MAX. SPACING THROUGHOUT THE SITE.
IRRIGATION PI		HUNTER I-25-06-SS on HSJ-1 SWING JOINT 50/60 04/41'/0.00 07/47'/0.00 13/54'/12.3		HUNTER	HQ-44LRC-AW 1" QUICK COUPLER VALVE with 2 PIECE BODY, LOCKING RUBBER COVER, ACME KEY SLOT with ANTI-ROTATION WINGS. INSTALL at 100' o.c. MAX. SPACING THROUGHOUT THE SITE.
— AS APPROVE — · — · — · — HUNTER	NON-PRESSURE LATERAL SCH. 40 PVC PIPE. FOR SIZES 3/4" - 2" W/ PVC SCH. 40 FITTINGS - BURY MIN. 12" BELOW GRADE (SIZE AS NOTED ON PLAN). 1/2" IPS FLEX PVC PIPE W/ PVC SCH. 40 FITTINGS	HUNTER I-40-06-SS with HSJ-1 SWING JOINT 60/70 10/50'/11.3 15/55'/15.7 23HS/59'/23. HUNTER I-40-06-SS-ON with HSJ-1 SWING JOINT 60/70 10/50'/11.3 15/55'/15.7 23HS/59'/23.		HUNTER	ICV SERIES - PLASTIC INDUSTRIAL ELECTRIC REMOTE CONTROL VALVE with ACCU-SYNC ADJUSTABLE PRESSURE REGULATING DIAL - SIZE AS SHOWN ON PLAN.
	2 - 1/2" PRESSURE MAINLINE CLASS 315 - LOCATED IN PLANTING AREAS. FOR SIZES 3/4" - 1 1/2" USE SCH. 40 PVC. FOR SIZES 2" and LARGER USE CLASS 315.	HUNTER I-90-ADV with HSJ-3 SWING JOINT 90/100 25/67'/31.5 38/73'/43.0 48/79'/52.6	63/94'/65.9	HUNTER HUNTER	ICV SERIES - PLASTIC INDUSTRIAL ELECTRIC REMOTE CONTROL VALVE with (1) STATION EZ-1 DECODER and ACCU-SYNC ADJUSTABLE PRESSURE REGULATING DIAL - SIZE AS SHOWN ON PLAN. ICV SERIES - PLASTIC INDUSTRIAL ELECTRIC REMOTE CONTROL VALVE with (1) STATION DUAL-1
	BURY MIN. 24" BELOW GRADE . NOTE: PRESSURE RELIEF VALVES SHALL BE INSTALLED AT ALL IRRIGATION MAINLINE PIPING "DEAD-ENDS" AND	IRRIGATION BUBBLER HEADS PSI PR			DECODER and ACCU-SYNC ADJUSTABLE PRESSURE REGULATING DIAL - SIZE AS SHOWN ON PLAN. ICV SERIES - PLASTIC INDUSTRIAL ELECTRIC REMOTE CONTROL VALVE with (1) STATION ICD-100
	"RIGHT ANGEL" TURNS TO PREVENT WATER HAMMER DAMAGE TO PIPE AND FITTINGS.	B HUNTER RZWS-18-50-CV ROOT ZONE WATERING SYSTEM Output B HUNTER PROS-06-PRS-30-CV POP UP with MSBN-50H 30 0.50		HUNTER	DECODER and ACCU-SYNC ADJUSTABLE PRESSURE REGULATING DIAL - SIZE AS SHOWN ON PLAN. IBV SERIES - BRASS INDUSTRIAL ELECTRIC REMOTE CONTROL VALVE with ACCU-SYNC ADJUSTABLE PRESSURE REGULATING DIAL - SIZE AS SHOWN ON PLAN.
AS APPROVE	BEYOND EDGE OF PAVING & PLACE BELOW ALL PAVING, HARDSCAPE, ETC., AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE.	HUNTER PROS-06-PRS-30-CV POP UP with MSBN-50H 30 0.50 HUNTER PROS-06-PRS-30-CV POP UP with MSBN-10F STREAM BUBBLER 30 1.00		HUNTER	2" MASTER VALVE - IBV BRASS INDUSTRIAL ELECTRIC REMOTE CONTROL VALVE - NORMALLY CLOSED
VALVE KEY:	DRIPLINE SUPPLY/EXHAUST LATERAL PIPE SIZING:	IRRIGATION CONTROLLER		HUNTER	FCT-200 - 2" FLOW SENSOR
	ZONE FLOW PIPE SIZE 0 - 5 GPM DRIZLINE TUBIN G or 1 2" LVC	HUNTER PRO-HC PC-2400 WALL MOUNT CONTROLLER with HC-PLAN-HOME (FREE HOME SE and WiFi HYDRAWISE TECHNOLOGY. INSTALL with HC FLOW METER.		HUNTER	HC-200-FLOW 2" FLOW METER
	5 - 8 GPM 3 4" PV 1 8.1 - 13 GPM 1" FVC	HUNTER HCC-800-SS STAINLESS STEEL WALL MOUNT CONTROLLER with HYDRAWISE HC-PLA SERVICE PLAN), (1) ICM-800 STATION MODULE and ROAM REMOTE.	` CAL	KIMUM AP .CULATIO1	PPLIED WATER ALLOWANCE and ESTIMATED APPLIED WATER USE NS:
	22.1 - 30 GPM 1 1/2" PVC	HUNTER HCC-800-SS STAINLESS STEEL CABINET WALL MOUNT CONTROLLER with EZ-DM 2 W MODULE. WIRE FLOW SENSOR and MASTER VALVE DIRECTLY TO CONTROLLER. INS STATION DECODER per VALVE.	STALL (1) EZ-1 SINGLE M.A.	.W.A	
IRRIGATION M NO SYMBOL LASC	AISCELLANEOUS EQUIPMENT 3/4" SCH 80 THREADED BALL VALVE, MODEL V08791N. INSTALL ON EVERY HORIZONTAL	HUNTER 12C-800-PL PLASTIC CABINET WALL MOUNT CONTROLLER with, (1) ICM-800 STATION REMOTE. USE (1) ICM-2200 WITH ICM-800 MODULES TO GET 54 STATION 12C-800 M METAL CABINET WALL MOUNT CONTROLLER with (1) ICM-800 STATION	Site La	andscape Ared	0) x (Landscape Area) x (.62) ea = (X.X x .70) x (X.X s.f. x 0.62) = X gal./yr.
NO SYMBOL LASC	SUB-LATERAL LINE, EITHER SIDE OF VERTICAL LATERAL. PVC SWING OR SPRING CHECK VALVE, INSTALL 12"-18" ABOVE EVERY OTHER	HUNTER 12C-800-M METAL CABINET WALL MOUNT CONTROLLER with, (1) ICM-800 STATION REMOTE. USE (1) ICM-2200 WITH ICM-800 MODULES TO GET 54 STATION MAX. HUNTER 12C-800-M METAL CABINET WALL MOUNT CONTROLLER with EZ-DM 2 WIRE EXPANS			nt Factor) x (Hydrozone Area) x (.62) gation Efficiency (62.5%) = X,XXX gal./yr.
no symbol senn	SUB-LATERAL TEE. VERTICAL LATERAL LINE SIZE, MODEL V(XX)611N OR V(XX)221B NINGER PRESSURE REGULATOR, MODEL PRL-40PSI. INSTALL ON EVERY HORIZONTAL SUB-LATERAL LINE, EITHER SIDE OF VERTICAL LATERAL.	FLOW SENSOR and MASTER VALVE DIRECTLY TO CONTROLLER. INSTALL (1) EZ-1 SINDECODER per VALVE.	VD 4 3 101 C 3 1		ganori Emciency (02.070)
	APPROVED IRRIGATION 'COMMON' WIRE #14UF AWG DIRECT BURIAL (U.L. APPROVED) APPROVED IRRIGATION CONTACT WAS APPROVED)	HUNTER ICORE IC-600-PL PLASTIC CABINET WALL MOUNT CONTROLLER with (X) ICM-600 EX MODULES and ROAM XL REMOTE. ALLOW (2) EXTRA AVAILABLE STATIONS MIN. INCOMESTER VALVE and FLOW SENSOR STATIONS.	CLUDING		- Sub-Surface Irrigation = $(XX.X \times .70) \times (XXX \text{ s.f.} \times .62)$ = X,XXX gal./yr.
NO SYMBOL AS A	DBR/Y-6 DIRECT BURIAL WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE CONNECTORS	HUNTER ICORE IC-600-M-ACC-PED (METAL CABINET and PEDESTAL) CONTROLLER with (X) I MODULES and ROAM XL REMOTE. ALLOW (2) EXTRA AVAILABLE STATIONS MIN. IN VALVE and FLOW SENSOR STATIONS.	CIVI OOO EXI / (1451OTA /	ozone 2 SITE W	VIDE - Surface Micro = $(XX.X \times .60) \times (XXX \text{ s.f.} \times .62)$ = $X,XXX \text{ gal./yr.}$ Drip Irrigation $XX\%$ ESTIMATED APPLIED WATER USE TOTAL = $XXXX \text{ gal./yr.}$
PIPE SIZING CHA	ART: ROTOR KEY:	HUNTER ICORE IC-600-SS WALL MOUNT CONTROLLER with (X) ICM-600 EXPANSION MODUL REMOTE. ALLOW (2) EXTRA AVAILABLE STATIONS MIN. INCLUDING MASTER VALVE			ESTIMATED APPLIED WATER USE TOTAL = X,XXX gal./yr. X,XXX gal./yr.
	E SIZE IPLINE JUBIN'S or 1/1: FVC	HUNTER ICORE IC-600-SS/PED-SS (STAINLESS STEEL CABINET and PEDESTAL) CONTROLLER wi EXPANSION MODULES and ROAM XL REMOTE. ALLOW (2) EXTRA AVAILABLE STATION	ONS MIN. INCLUDING		$\frac{X,XXX \text{ gal./yr.}}{XX \text{ gal.}} = X.XX \text{ cu.ft./y}$
5 - 8 GPM 3/4 8.1 - 13 GPM 1" P	PVC PVC NULLA ARED 1.5	MASTER VALVE and FLOW SENSOR STATIONS. HUNTER ICORE IC-600-PP (PLASTIC PEDESTAL) CONTROLLER with (X) ICM-600 EXPANSION N	P.O.C. F MODULES and ROAM XL FRICTIO	# ON LOSS CALCULA	ations
	/4" PVC /2" PVC	REMOTE. ALLOW (2) EXTRA AVAILABLE STATIONS MIN. INCLUDING MASTER VALVE STATIONS. HUNTER ICORE IC-600-PP (PLASTIC PEDESTAL) CONTROLLER with DUAL48M 2 WIRE EXPANSI	ON MODULE and		SIZE X
BEFORE YOU		ID2BLU 12 AWG LONG RANGE NEAVY-DUTY DECODER CA'SLE. WIRE FLOW SENSON DIRECTLY TO CONTROLLER. INSTALL (1) DUAL-1 SINGLE STATION DECODER per VA AVAILABLE STATIONS MIN. INCLUDING MASTER VALVE and FLOW SENSOR STATION	R and MASTER VALVE LVE. ALLOW (2) EXTRA IS. PHONE:	SOURCE: X E: X	HIGH LOW
ST. OF		HUNTER ICORE IC-600-SS/PED-SS (STAINLESS STEEL CABINET and PEDESTAL) CONTROLLER wi EXPANSION MODULE and ID2BI J / 2 / WG LONG RANGE HEAVY-DUTY DECODER (ith DUAL48M 2 WIRE CABLE. WIRE FLOW DATE O H.G.L.	DF INFO. X ELEV.	
0000		SENSOR and MASTER VALVE DIRECTLY TO CONTROLLER. INSTALL (1) DUAL-1 SINGLE PER VALVE. ALLOW (2) EXTRA AVAILABLE STATIONS MIN. INCLUDING MASTER VALVES STATIONS.	'E and FLOW SENSOR	TE CONTROL VALV	X .433 = VE NoA-X

Section 4216/4217 of the government code requires a dig alert identification number be issued before a "permit to excavate" will be valid. 1-800-227-2600 Call (2) working days before you

per valve. Allow (2) extra available stations min. Including master valve and flow ser ACC-1200-SS STAINLESS STEEL WALL MOUNT CONTROLLER with (X) A2M-600 EXPANSION MODULES ROAM XL REMOTE. ACC-99D-SS STAINLESS STEEL WALL MOUNT CONTPOLLER with ID2ORG TWO-WIRE AND ROAM XL REMOTE. ALLOW TWO EXTRA AVAILACLE STATIONS MIN. INCLUDING MASTER VALVE and FLOW SEN STATIONS. HUNTER STATIONS. ACC-99D-SS/PED-SS (STAINLESS STEEL CAPINET and PEDESTAL), CONTROLLER with ID2BLU TWO-WIRE AND ROAM XL REMOTE. ALLOW TWO EXTRA AVAILABLE STATIONS MIN. INCLUDING MASTER VALVE (FLOW SENSOR STATIONS. INSTALL (1) ICD-100 SINGLE STATION DECODER per VALVE. HUNTER HUNTER A2C-1200-SS STAINLESS STEEL WALL MOUNT CONTROLLER with (X) A2M-600 EXPANSION MODULES (ROAM XL REMOTE. FOR (3) ADDITIONAL FLOW METER INPUT TERMINALS, INSTALL (1) A2C-F3. ALLOW EXTRA AVAILABLE STATIONS MIN. INCLUDING MASTER VALVE and FLOW SENSOR STATIONS. A2C-75D-SS/PED-SS (STAINLESS STEEL CABINET and PEDESTAL) CONTROLLER with ID2BLU TWO-WIRE AND ROAM XL REMOTE. INSTALL (X) 1,2C-D75 TO INCREASE STATION COUNT IN 75 STATION INCREMENTS TO MAX OUT AT 225 STATION. INSTALL (1) ICD-100 SINGLE STATION DECODER per VALV HUNTER NODE-400 BATTERY OPERATED CONTROLLER. DC LATCHING SOLENOID (MODEL # 458200) REQUIRE HUNTER BY OTHERS 120 VOLT ELECTRICAL POWER for CONTROLLER PROVIDED BY ELECTRICIAN, FIELD VERIFY ACTUAL LOCATION. IRRIGATION CONTROLLER SENSORS & ACCESSORIES NO SYMBOL HUNTER ROAMXL-KIT HUNTER REMOTE CONTROL. NO SYMBOL HUNTER ICD-HP HUNTER DECODER PROGRAMMER.

no symbol hunter

no symbol hunter

NO SYMBOL HUNTER

no symbol hunter

SENSOR and MASTER VALVE DIRECTLY TO CONTROLLER. INSTALL (1) DUAL-1 SINGLE STATION DECODER per VALVE. ALLOW (2) EXTRA AVAILABLE STATIONS MIN. INCLUDING MASTER VALVE and FLOW SENSOR	METER ELEV X .433 =	
STATIONS. ACC-1200-SS STAINLESS STEEL WALL MOUNT CONTROLLER with (X) A2M-600 EXPANSION MODULES with ROAM XL REMOTE.	REMOTE CONTROL VALVE No. A-X SIZE MAX. DEMAND X GPM ELEV. OF HIGHEST HEAD X	X
ACC-99D-SS STAINLESS STEEL WALL MOUNT CONTPOLLER with ID2ORG TWO-WIRE AND ROAM XL REMOTE. ALLOW TWO EXTRA AVAILABLE STATIONS MIN , INCLUDING MASTER VALVE and FLOW SENSOR STATIONS. ACC-99D-SS/PED-SS (STAINLESS STEEL CAPINET and PEDESTAL) CONTROLLER with ID2BLU TWO-WIRE AND ROAM XL REMOTE. ALLOW TWO EXTRA AVAILABLE STATIONS MIN. INCLUDING MASTER VALVE and FLOW SENSOR STATIONS. INSTALL (1) ICD-TOO SINGLE STATION DECODER per VALVE. A2C-1200-SS STAINLESS STEEL WALL MOUNT CONTROLLER with (X) A2M-600 EXPANSION MODULES and ROAM XL REMOTE. FOR (3) ADDITIONAL FLOW METER INPUT TERMINALS, INSTALL (1) A2C-F3. ALLOW (2) EXTRA AVAILABLE STATIONS MIN. INCLUDING MASTER VALVE and FLOW SENSOR STATIONS. A2C-75D-SS/PED-SS (STAINLESS STEEL CARINET and PEDESTAL) CONTROLLER with ID2BLU TWO-WIRE AND ROAM XL REMOTE. INSTALL (X) A2C-D75 TO INCREASE STATION COUNT IN 75 STATION INCREMENTS TO MAX OUT AT 225 STATION. INSTALL (1) ICD-100 SINGLE STATION DECODER PER VALVE. NODE-400 BATTERY OPERATED CONTROLLER. DC LATCHING SOLENOID (MODEL # 458200) REQUIRED. 120 VOLT ELECTRICAL POWER for CONTROLLER PROVIDED BY ELECTRICIAN, FIELD VERIFY ACTUAL LOCATION.	PRESS. AT RCV QTY. SIZE 1	X PSI PSI 10.00 PSI PSI PSI PSI X PSI
	X 1" LATERAL LINE	X PSI
ONTROLLER SENSORS & ACCESSORIES	X 1½" LATERAL LINE X 1½" LATERAL LINE	X PSI PSI
ROAMXL-KIT HUNTER REMOTE CONTROL.	X 1½" LATERAL LINE FITTING LOSS (10%)	X PSI
ICD-HP HUNTER DECODER PROGRAMMER.	ELEVATION CHANGE (+/-)	X PSI
WSS-SEN WIRELESS SOLAR SYNC SENSOR with WIRELESS RECEIVER. INSTALL per MANUF. SPECIFICATIONS. NOTE: WHENEVER POSSIBLE HARD WIRE MODEL PREFERRED (MODEL #: SOLAR-SYNC).	TOTAL SYSTEM LOSS: PRESSURE TO OPERATE HEAD	X PSI 30.00 PSI
WR-CLIK WIRELESS RAIN CLIK SYSTEM. INSTALL per MANUF. SPECIFICATIONS. NOTE: WHENEVER POSSIBLE HARD WIRE MODEL PREFERRED (MODEL #: RAIN-CLIK). WIND-CLIK WIND SENSOR. INSTALL per MANUF. SPECIFICATIONS.	TOTAL PRESSURE REQUIRED: LOWEST STATIC PRESSURE AVAILABLE PRE-SET REGULATED PRESSURE (IF REQ'D)	X PSI X PSI PSI
SOIL-CLIK MOISTURE SENSOR	RESIDUAL WATER PRESSURE	X PSI
	REQ'D RESIDUAL WATER PRESSURE	15-20 PSI