

- IRRIGATION NOTES:**
- 1) ALL BASE INFORMATION HAS BEEN TAKEN FROM DRAWINGS PREPARED BY WESTERN WATER MANAGEMENT, LLC
 - 2) LOCATE ALL UTILITIES PRIOR TO EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO UTILITIES DURING THE INSTALLATION OF THE IRRIGATION SYSTEM.
 - 3) ALL PROPERTY OR UTILITY DAMAGES ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
 - 4) ALL PERMITS, PRIVATE LOCATES AND STREET CLOSURE COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR
 - 5) CONTRACTOR SHALL USE DIRECTIONAL BORING OR HAND EXCAVATION TO PROTECT TREE FEEDER ROOTS.
 - 6) CONTRACTOR SHALL INSTALL SEED IN ALL DISTURBED AREAS.
 - 7) CONTRACTOR SHALL FIELD VERIFY PRESSURE FOR EACH TAP PRIOR TO STARTING IRRIGATION INSTALLATION AND NOTIFY CONSULTANT OF ANY DIFFERENCE FROM STATED PRESSURE. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY SYSTEM ALTERATIONS IF CONSULTANT IS NOT NOTIFIED. SYSTEM HAS BEEN DESIGNED FOR A MINIMUM STATIC PRESSURE OF 55PSI UPSTREAM OF THE BACKFLOW PREVENTER.
 - 8) CONTRACTOR SHALL COORDINATE INSTALLATION OF SLEEVING WITH IRRIGATION INSTALLATION. SLEEVING IS PROVIDED BY CONTRACTOR UNLESS OTHERWISE NOTED. SIZE SLEEVING AS FOLLOWS:

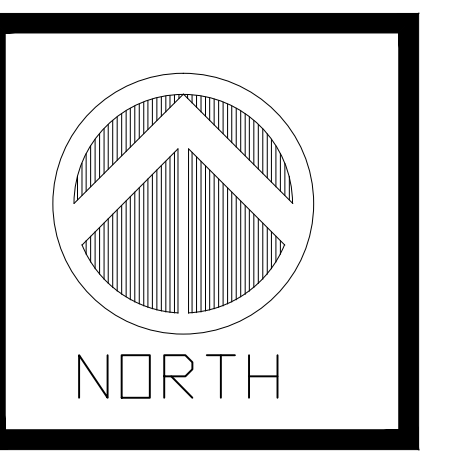
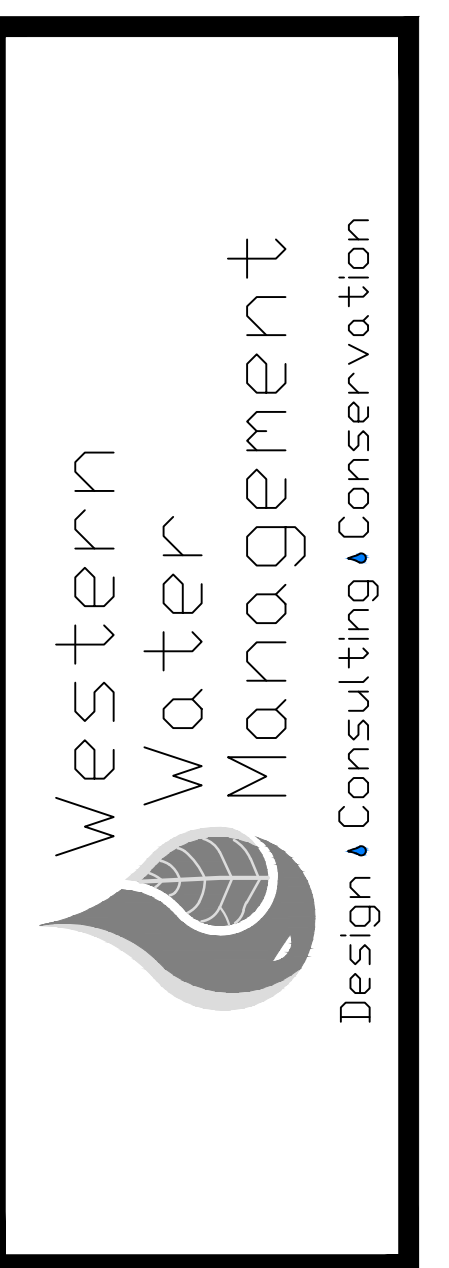
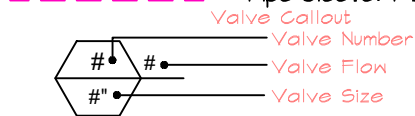
PIPE SIZE OR # OF WIRES	SLEEVE SIZE
1"-1.25"	2" CL-200 PVC
1.5"-2"	4" CL-200 PVC
2.5"-3"	6" CL-200 PVC
1-25 CONTROL WIRES	2" CL-200 PVC
26-70 CONTROL WIRES	3" CL-200 PVC
 - 9) CONTROLLER SHALL BE SET TO OPERATE ONE VALVE AT A TIME.
 - 10) INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS & RECOMMENDATIONS. REFER TO TECHNICAL SPECIFICATIONS AND CONSTRUCTION DETAILS FOR INSTALLATION PROCEDURES.
 - 11) ALL CONSTRUCTION IS TO ADHERE TO CITY OF WESTMINSTER STANDARDS & SPECIFICATIONS.
 - 12) BRAND VALVE BOX LIDS WITH CONTROLLER LETTER AND VALVE NUMBER AS SHOWN ON PLANS. FOR QUICK COUPLERS USE QC AND FOR ISOLATION VALVES USE IV.
 - 13) COMPACT ALL TRENCHES TO THE SAME DENSITY AS THE ADJACENT UNDISTURBED SOIL.
 - 14) ADJUST IRRIGATION HEADS TO PROVIDE ADEQUATE COVERAGE AND MINIMIZE OVSERSPRAY. ADJUST CONTROLLERS TO IRRIGATE USING REPEAT CYCLES TO REDUCE RUN-OFF.
 - 15) EQUIPMENT SHOWN IN HARDSCAPE AREAS IS FOR DRAWING CLARIFICATION ONLY. INSTALL IN PLANTING AND TURF AREAS AS NECESSARY.
 - 16) SPARE CONTROL WIRES - CONTRACTOR SHALL EXTEND THREE SPARE WIRES (ONE COMMON AND TWO CONTROL WIRES) FROM CONTROLLER A TO THE ENDS OF THE MAINLINE. USE #14 BLACK FOR SPARE COMMON AND #14 BLUE FOR SPARE CONTROL WIRES.
 - 17) TURF WATER REQUIREMENTS WILL VARY FROM 1/2" TO 2" PER WEEK DEPENDING ON THE CLIMATE. ANNUAL SYSTEM WATER CONSUMPTION BASED ON ADJUSTED ET VALUES FROM PREVIOUS SEASONS IS 298,042 GALLONS. THE PRECIP. RATE OF THE HUNTER FIXED ARC NOZZLES ON THIS SYSTEM IS BETWEEN 1.8in/hr AND 1.95in/hr. TIME REQUIRED TO APPLY 1-INCH IS APPROXIMATELY 33 MINUTES. THE PRECIP. RATE OF THE PRECISION SPRAY HEADS ON THIS SYSTEM IS BETWEEN 1.0in/hr AND 1.2in/hr. TIME REQUIRED TO APPLY 1-INCH IS APPROXIMATELY 55 MINUTES.
 - 18) PRIOR TO FINAL ACCEPTANCE BY THE METRO DISTRICT, THE INSTALLATION CONTRACTOR SHALL PROVIDE THE FOLLOWING:
 - A SIGNED AND DATED WRITTEN DESCRIPTION OF THE CONTRACTOR'S WARRANTY AND WARRANTY PERIOD.
 - ALL PRODUCT LITERATURE AND CUSTOMER SERVICE INFORMATION FOR PRODUCTS USED/INSTALLED ON PROJECT.
 - CURRENT IRRIGATION SCHEDULES FOR ALL CONTROLLERS.

LEGEND: (Site Base Plan)

Symbol	Description
(Green circle)	Existing - EVERGREEN TREE
(Blue circle)	Existing - DECODUOUS TREE (small caliper)
(Red circle)	Existing - DECODUOUS TREE (med. caliper)
(Yellow circle)	Existing - DECODUOUS TREE (large caliper)
(Orange square)	Existing - Shopping center irrigation control valve location. Brookhill-V system.
(White square)	Utility Pedestal Location - Phone / Cable
(Blue square)	Fire Hydrant
(Black square)	Street Light
(Black square)	STREET SIGN

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS	DETAIL
(Green circle)	Hunter PROS-04-PRSSO-CV 5' strip spray	11	LC5	30	0.65	5x15'	6
(Blue circle)	Hunter PROS-04-PRSSO-CV 5' strip spray	11	RC5	30	0.65	5x15'	6
(Red circle)	Hunter PROS-04-PRSSO-CV 5' strip spray	250	56T	30	1.30	5x30'	6
(Yellow circle)	Hunter PROS-04-PRSSO-CV 5' radius	2	180	30	0.23	5'	6
(Orange circle)	Hunter PROS-04-PRSSO-CV 5' radius	7	90	30	0.12	5'	6
(Green circle)	Hunter PROS-04-PRSSO-CV 5' radius	5	180	30	0.41	5'	6
(Blue circle)	Hunter PROS-04-PRSSO-CV 5' radius	1	90	30	0.24	5'	6
(Red circle)	Hunter PROS-04-PRSSO-CV 5' radius	1	120	30	0.32	5'	6
(Yellow circle)	Hunter PROS-04-PRSSO-CV 10' radius	2	180	30	0.88	10'	6
(Orange circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 5 Series	6	180	30	0.13	5'	6
(Green circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 8 Series	1	60	30	0.11	5'	6
(Blue circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 8 Series	34	180	30	0.33	5'	6
(Red circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 8 Series	1	120	30	0.22	5'	6
(Yellow circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 10 Series	22	180	30	0.51	10'	6
(Orange circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 10 Series	3	120	30	0.34	10'	6
(Green circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 12 Series	1	60	30	0.25	12'	6
(Blue circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 12 Series	1	150	30	0.62	12'	6
(Red circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 12 Series	52	180	30	0.14	12'	6
(Yellow circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 12 Series	2	120	30	0.41	12'	6
(Orange circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 12 Series	1	270	30	1.15	12'	6
(Green circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 15 Series	12	180	30	1.16	15'	6
(Blue circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 4X Strip Spray	11	-190	30	0.31	4x18'	6
(Red circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 4X Strip Spray	4	LC5	30	0.19	4x9'	6
(Yellow circle)	Hunter PROS-04-PRSSO-CV with Toro Precision Nozzle 4X Strip Spray	1	RC5	30	0.19	4x9'	6
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL				
(Black circle)	Hunter ICV-S 1", 1-1/2", 2", and 3" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.	22	4				
(Black circle)	Metcalf-Norcia T10T PVC White Ball Valve for 5ch 40 and 5ch 80 Pipe, Threaded Ends, comply with ASTM F1483, with TT Handle, same size as mainline. 1/2" - 4".	6	3				
(Black circle)	Hunter ICV-S 1-1/2" 1", 1-1/2", 2", and 3" Plastic Electric Master Valve, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.	1	3				
(Black circle)	Fabco 625YA (Existing) 1" Reduced Pressure Backflow Preventer	1	2				
(Black circle)	IRRIGATION CONTROLLER - Pedestal Mount Controller: 24 Station Rain Bird ESP-LXME series with PR2 series wireless Rain/Freeze sensor. Alternate Controller: 24 Station Weathermatic Smartline series with Smartlink modem, SLNB Weather station and SLF51-T flow sensor - same size as mainline. Mounted on a Pedestal.	1	1				
(Black circle)	Booster Pump Pines and Mailing 1/3 HP 1.6 amp booster pump #CJ103P051 (1-1/2" suction, 1-1/4" discharge)	1	7				
(Black circle)	Water Meter 1" Vance St. POC (Existing)	1	1				
(Black circle)	Park Mainline connection POC (Existing)	1	1				
(Pink line)	Irrigation Lateral Line: PVC Class 200 SDR 21 PVC Class 200 Irrigation pipe.	3,673 LF.	5				
(Green line)	Irrigation Mainline: PVC Class 200 SDR 21 PVC Class 200 Irrigation pipe.	1,641 LF.	5				
(Yellow line)	Irrigation Mainline: Type L Copper Pipe	17.2 LF.	1				
(Pink dashed line)	Pipe Sleeve: PVC Class 200 SDR 21	340.6 LF.	1				



WESTGLEN METRO DISTRICT
VANCE STREET TAP
IRRIGATION AS-BUILT

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SERVICE AND ARE THE PROPERTY OF
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DATE: JAN 16, 2019
DRAWN BY: SL
CHECKED BY: LLB
JOB NUMBER:
ISSUE / REVISIONS:

SCALE
1"=30'

IR-2