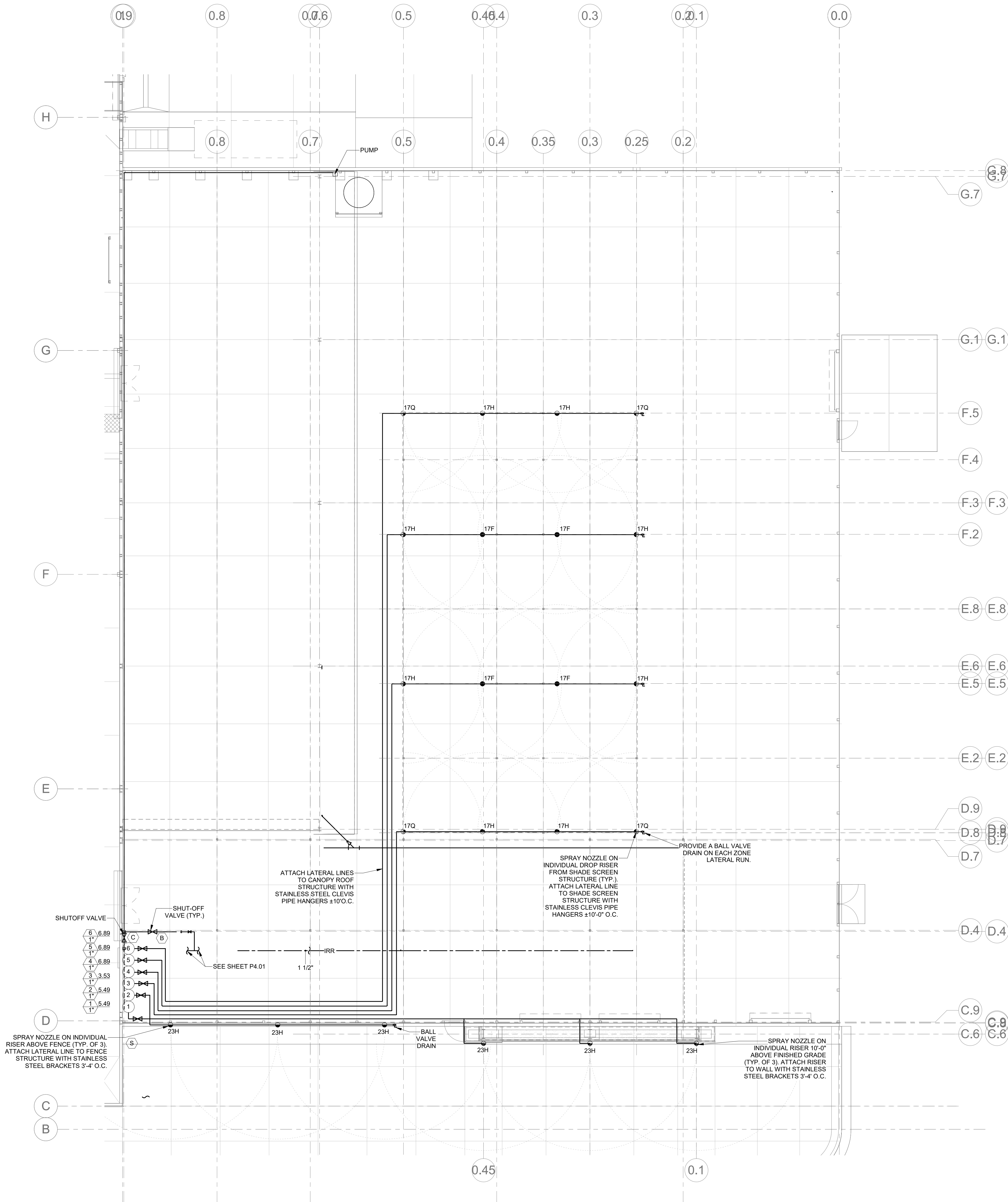


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1 garden center irrigation plan

SCALE | 1" = 10'-0"



irrigation notes

- IRRIGATION PLAN IS SCHEMATIC. LOCATIONS OF PROPOSED IRRIGATION MAIN LINE, LATERALS, VALVES, AND SPRINKLER HEADS ARE SHOWN SCHEMATICALLY FOR CLARITY, AND SHALL BE LOCATED AT DISCRETION OF IRRIGATION CONTRACTOR. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM AND ARCHITECTURAL FEATURES.
- IRRIGATION CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING ALL VALVES, HEADS, PUMPS AND LINE SIZES TO OWNER PRIOR TO INSTALLATION.
- THE IRRIGATION CONTRACTOR IS RESPONSIBLE TO INSTALL A SYSTEM THAT WILL PROPERLY COVER ALL PLANT MATERIAL AREAS.
- IRRIGATION CONTRACTOR SHALL MAKE ANY FIELD CHANGES IN THE SYSTEM NECESSARY TO MAKE THE SYSTEM PERFORM AS SPECIFIED FOR FULL COVERAGE.
- SPRAY HEADS SHALL BE INSTALLED 2" MIN. FROM BUILDING WALLS. UTILIZE ELLS TO OFFSET SPRAY HEAD FROM BUILDING WALLS.
- IRRIGATION CONTRACTOR TO VERIFY IRRIGATION WATER PRESSURE. IF APPLICABLE, INSTALL 1" WATER PRESSURE REDUCING VALVE, WATTS #25 AUB-23, RAINBIRD #PSI-M40X-100, OR EQUIVALENT DOWNSTREAM OF SHUT-OFF VALVE.
- IRRIGATION CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS AND KEYS TO CONTROLLER CABINET TO THE OWNER PRIOR TO FINAL ACCEPTANCE.
- IRRIGATION CONTROLLER AND PROGRAMMING TO BE PROVIDED BY IRRIGATION CONTRACTOR.
- IRRIGATION CONTRACTOR TO VERIFY LOCATION AND OPERATION OF CONTROLLER WITH OWNER'S REPRESENTATIVE.
- IRRIGATION LINES SHALL BE DRAINED AT THE END OF EACH SEASON BY THE IRRIGATION CONTRACTOR.
- CONTROL WIRE SHALL BE DIRECT BURIAL SOLID COPPER MIN. GAUGE #14 AWG-UF (#12 AWG-UF FOR RUNS OVER 2000 LF). COMMON GROUND WIRE TO BE WHITE MIN. GAUGE #12 AWG-UF. PROVIDE SEPARATE GROUND WIRE FOR EACH IRRIGATION CONTROLLER. ALL ELECTRICAL CONNECTIONS SHALL BE WATER PROOF SPLICES.
- IRRIGATION CONTRACTOR TO ADJUST RADIUS AND ARC OF SPRAY NOZZLES TO MINIMIZE OVERSPRAY ON BUILDING. PROVIDE TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT. TWO (2) OPERATING KEYS FOR EACH SERVICING WRENCH OR TOOL NEEDED FOR COMPLETE ACCESS, ADJUSTMENT AND REPAIR OF SPRINKLERS.
- IRRIGATION CONTRACTOR SHALL PROVIDE A BID ALTERNATE FOR AN ONGOING MAINTENANCE AND REPAIR PROGRAM FOR IRRIGATION SYSTEM.
- IRRIGATION SYSTEM SHALL COMPLY WITH ALL LOCAL REQUIREMENTS. INSTALL ALL ELECTRICAL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.
- SEE IRRIGATION INSTALLATION DETAILS.

IRRIGATION LEGEND

(B)	1" IRRIGATION REDUCED PRESSURE BACKFLOW PREVENTER, WATTS #LF909 OR APPROVED EQUIVALENT.
(C)	12 STATION IRRIGATION CONTROLLER WITH FLOW SMART MODULE IN PLASTIC CABINET INSIDE BUILDING. RAINBIRD ESP12LXMEF.
(S)	WIRELESS RAINFREEZE SENSOR & INTERFACE, RAINBIRD WR2-RFC. MOUNT PER RAINBIRD SPECIFICATIONS.
---	1" PVC SCHEDULE 40 IPS PLASTIC PIPE MAIN LINE.
	PVC CLASS 200 IPS PLASTIC PIPE LATERAL LINE, SIZE BY CONTRACTOR.
(X)	1" ELECTRIC REMOTE CONTROL VALVE WITH PRESSURE REGULATING MODULE, RAINBIRD 100-PGA-PRS-D.
o 17H	ROTARY SPRAY NOZZLE ON RISER, RAINBIRD R-VAN SERIES. SEE NOZZLE LEGEND BELOW.
OPTIONAL	WATER PULSE RETAIL CAPILLARY MATS WITH VORTEX INJECTOR SYSTEM. INSTALL AT EACH TABLE IN ZONES 1 & 2 PER MANUFACTURER SPECIFICATIONS. WATERPULSE.COM PHONE (800)376-7161.
OPTIONAL	WATER PULSE HANGING BASKET SYSTEMS. INSTALL AT EACH HANGING BASKET IN ZONES 1 & 2 PER MANUFACTURER SPECIFICATIONS. WATERPULSE.COM PHONE (800)376-7161.

DESIGNER NOTE: OPTIONAL WATER PULSE ITEMS TO BE PROVIDED IF REQUIRED BY AHJ OR IN ARID REGIONS AS AN ALTERNATIVE TO SPRAY IRRIGATION.

VALVE STA. VALVE SIZE → (X) XXX → GPM

NOZZLE LEGEND:

- Q - QUARTER CIRCLE, 90°
- H - HALF CIRCLE, 180°
- F - FULL CIRCLE, 360°

EXAMPLE: 17H = 17" RADIUS, 180° ARC
NOTE: ROTARY NOZZLES HAVE ADJUSTABLE RADIUS AND ARC AND SHALL BE ADJUSTED TO MINIMIZE OVERSPRAY ONTO BUILDING OR DRY PRODUCTS.
RAINBIRD ROTARY NOZZLE MODELS:
R-VAN15 = 15"-18" RADIUS, ADJUSTABLE 45°-270°
R-VAN1724 = 17"-24" RADIUS, ADJUSTABLE 45°-270°
R1318F = 13'-18" RADIUS, 360°
RT224F = 17"-24" RADIUS, 360°

RECOMMENDED OPERATING PRESSURE: 45 PSI

architect + engineer

wd

WD PARTNERS
7007 DISCOVERY BLVD
DUBLIN, OH 43017
614.634.7000 T

WDPARTNERS.COM

project no. | HDPB21180

owner



THE HOME DEPOT
2455 PACES FERRY ROAD, C-19
ATLANTA, GA 30339-4024
PHONE: (770) 433-8211

project info

DORAL, FL
DORAL, FL
STORE: 0000

prototype:

4C-2018 | XX/XX/18

issue dates

submission:	date
PERMIT	03/20/18
BID	04/02/18
CONSTRUCTION	00/00/00

revisions:

#	description	date
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designed by:

Designer

checked by:

Checker

seal

BID SET
NOT FOR CONSTRUCTION

sheet info

GARDEN CENTER
IRRIGATION PLAN

P4.03

electrical

mechanical

plumbing

equipment

architectural

structural

landscape

civil