IRRIGATION LEGEND

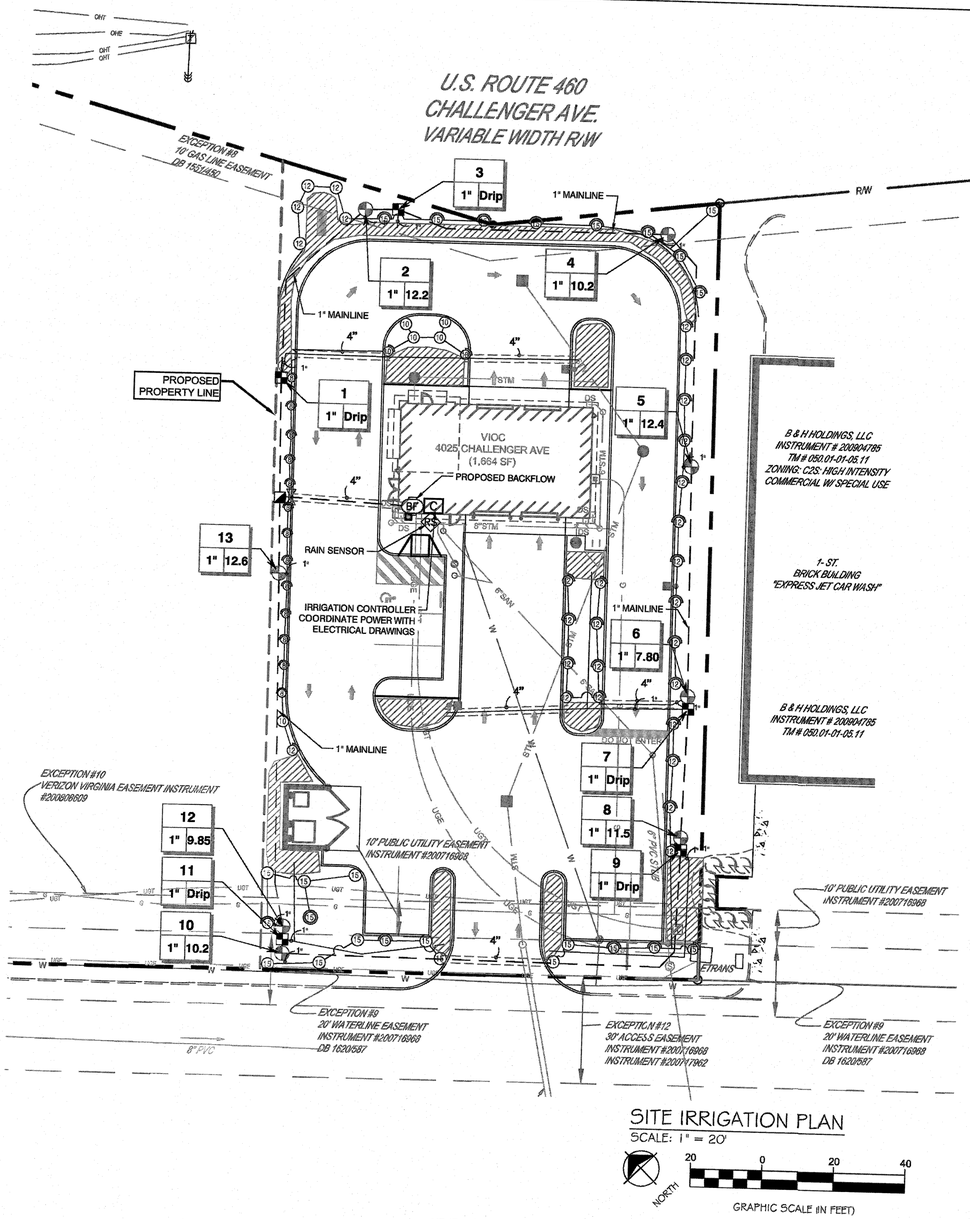
SYMBOL	MANUFACTURER/MODEL
	Rain Bird 1804 8 Series MPR
	Rain Bird 1804 10 Series MPR
	Rain Bird 1804 12 Series MPR
	Rain Bird 1804 15 Series MPR
08HE-VAN 10HE-VAN 12HE-VAN 15HE-VAN	Rain Bird 1804 ADJ

SYMBOL	MANUFACTURER/MODEL
	Rain Bird XCZ-100-PRF
	Area to Receive Dripline Rain Bird XFD-06-18 (22)

SYMBOL	MANUFACTURER/MODEL
	Rain Bird PGA Globe
	Rain Bird 5-RC
	Nibco TI-8
BF	Zurn 375 1"
C	Rain Bird ESP4ME with (3) ESP-SM3
RS	Rain Bird WR2-RS
	Irrigation Lateral Line: PVC Class 200 SDR
	Irrigation Mainline: PVC Class 200 SDR 21
	Pipe Sleeve: PVC Schedule 40

Valve Callout

- # — Valve Number
- #" — Valve Flow
- # — Valve Size



SITE IRRIGATION PLAN

SCALE: 1" = 20'

NORTH

20 0 20 40

GRAPHIC SCALE IN FEET)

GENERAL IRRIGATION SPECIFICATIONS

1. The irrigation system is diagrammatic based upon the information provided by the owner or the owner's representative. The successful contractor is responsible to install a system that will properly cover all areas indicated on the design. Actual layout of piping, sprinkler heads, valves, controllers and other related equipment shall be determined on site. Minor field changes shall be made at no additional cost to the owner.

It is the responsibility of the irrigation contractor to be familiar with all grade differences, locations of walls, structures and utilities and make the necessary adjustments to accommodate the irrigation system as shown on the drawings. There may be times when it is obvious in the field that unknown obstructions, grades or dimensions that exist might not have been considered in the engineering, such obstructions should be brought to the attentions of the owner's authorized representative. In the event that this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions and costs that occur.

2. This system shall be installed using accepted and quality installation standards as used in the industry. All manufacturers specifications will be followed.

3. Mainline shall be buried a minimum of 12" of cover and a maximum of 18" of cover. Lateral line piping a minimum of 12" of cover. All backfill surrounding the pipe shall be cleaned of materials larger than 1" in size. Backfill shall be added in 6" increments and mechanically tamped.

4. There will be no substitutions or changes to the irrigation design allowed without direct, written approval from the Landscape Architect.

5. System design is based on pressure and flow information provided by others, static pressure was given as 70 psi and the size of the P.O.C. is as indicated on the drawing. The irrigation contractor shall verify water pressures prior to construction. Report differences between requirements and the actual readings to the owner's representative. A booster pump may be necessary if the required pressure is not available. Additional costs shall be submitted to the owner as a change order.

6. Piping shown in paved area without sleeve is diagrammatic and shall be located inside of the planted area or turf area approximately 1' from any hardscape.

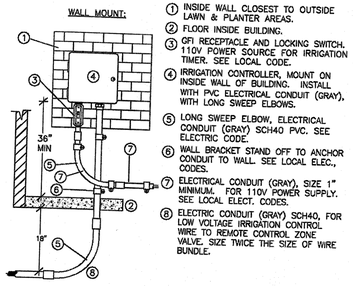
7. All valves shall be placed in valve boxes as shown in the details and all electrical connections shall be sealed with waterproof connectors. Control wire shall be solid copper wire U.L. approved for direct burial in the ground. See details.

8. Controller, rain sensor, meter, tap and backflow locations are as shown on the plan or as stated in the details and legend. All information is to be verified prior to any installation of the project.

9. The Irrigation Contractor is responsible for all clean up associated with his work.

10. Irrigation contractor shall all provide the first winterization, spring turn on, head adjustments and controller maintenance in bid.

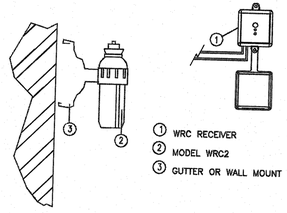
IRRIGATION DETAILS



1. INSIDE WALL CLOSEST TO OUTSIDE LAWN & PLANTER AREAS.
2. FLOOR INSIDE BUILDING.
3. GFI RECEPTACLE AND LOCKING SWITCH. 110V POWER SOURCE FOR IRRIGATION TIMER. SEE LOCAL CODE.
4. IRRIGATION CONTROLLER, MOUNT ON INSIDE WALL OF BUILDING. INSTALL WITH PVC ELECTRICAL CONDUIT (GRAY), WITH LONG SWEEP ELBOWS.
5. LONG SWEEP ELBOW, ELECTRICAL CONDUIT (GRAY) SCH40 PVC. SEE ELECTRIC CODE.
6. WALL BRACKET STAND OFF TO ANCHOR CONDUIT TO WALL. SEE LOCAL ELEC., CODES.
7. ELECTRICAL CONDUIT (GRAY), SIZE 1" MINIMUM. FOR 110V POWER SUPPLY. SEE LOCAL ELECT. CODES.
8. ELECTRIC CONDUIT (GRAY) SCH40, FOR LOW VOLTAGE IRRIGATION CONTROL WIRE TO REMOTE CONTROL ZONE VALVE. SIZE TWICE THE SIZE OF WIRE BUNDLE.

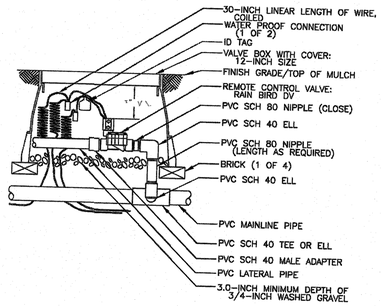
1 RAINBIRD ESP CONTROLLER
NTS SECTION

NOTE:
MOUNT SENSOR ON ANY SURFACE WHERE IT WILL BE EXPOSED TO UNOBSTRUCTED RAINFALL, BUT NOT IN PATH OF SPRINKLER SPRAY, NO MORE THAN 300' FROM RECEIVER UNIT. MOUNT RECEIVER UNIT NO FURTHER THAN 6' FROM CONTROLLER.



1. WRC RECEIVER
2. MODEL WRC2
3. GUTTER OR WALL MOUNT

2 RAINBIRD RAIN SENSOR
NTS SECTION



3 RAINBIRD DV-100 ELECTRIC VALVE
NTS SECTION

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APPROVED

CESO
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10.29.18 ISSUED FOR FINAL APPROVAL
ISSUED FOR OWNER

VALVOLINE INSTANT OIL CHANGE
4025 CHALLENGER AVE.
ROANOKE, VA 24012

COMMONWEALTH OF VIRGINIA
ROGER E. BEAL
1955
LANDSCAPE ARCHITECT
NAME: ROGER E. BEAL
REGISTRATION NO.: LA 4GGCO1955

Project No.	755208
Scale	AS NOTED
Drawn	REB
Checked	TJV
Date	07/13/18

Drawing Title

IRRIGATION PLAN

Drawing No. L-2.0