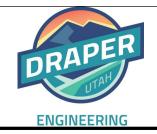
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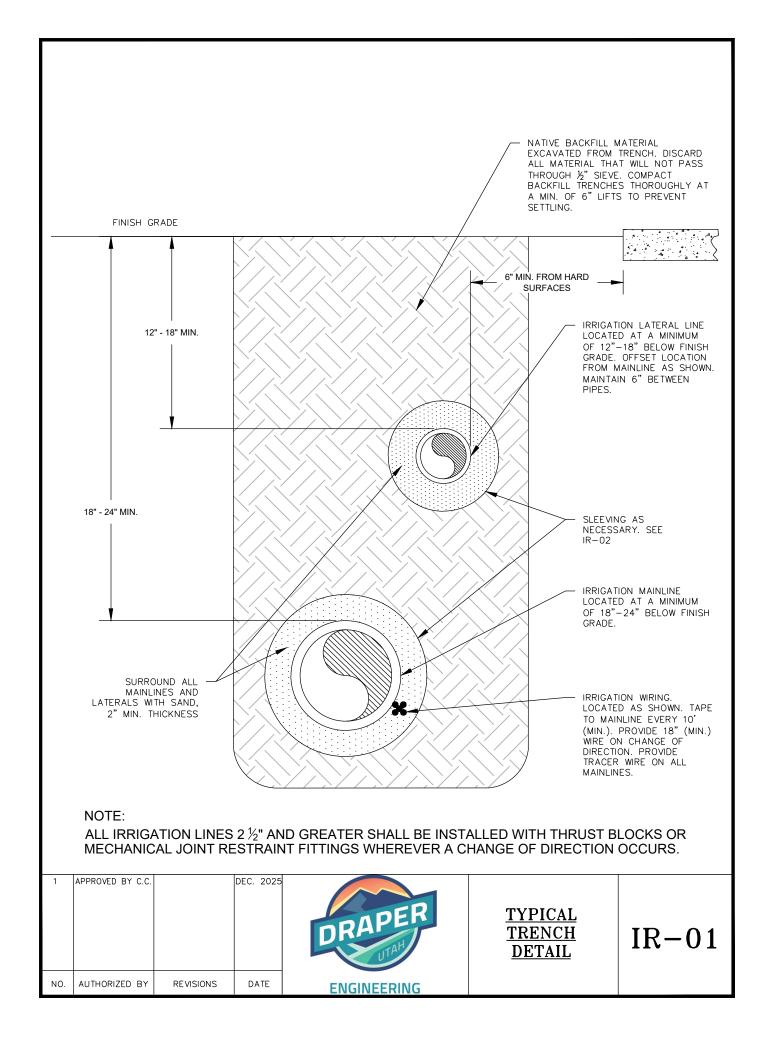
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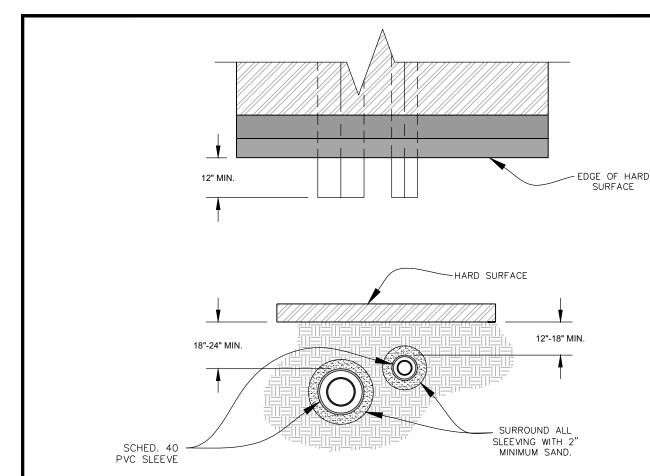
1	APPROVED BY C.C.		DEC. 2025	
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IRRIGATION
SYSTEMS
STANDARD
DETAILS

IR-00





WIRE CONDUIT SIZES - 14 GAUGE

NUMBER OF WIRES	MIN. CONDUIT SIZE
1-4	3/4"
5-7	1"
8-11	1 1/2"
12-22	2"
23-31	2 1/2"
32-36	3"

*WIRES SHALL BE IN SEPARATE CONDUIT FROM PIPE. SIZE PER CHART ABOVE.

SLEEVE SIZE CHART

PIPE SIZE	MIN. SLEEVE SIZE
3/4"	1 1/2"
1"	2"
1 1/4"	2 1/2"
1 1/2"	2 1/2"
2"	3"
2 1/2"	4"
3"	4"
4"	6"
6"	8"

*WHEN MULTIPLE PIPES OCCUR IN ONE TRENCH, ADD REQUIRED SLEEVE SIZES TOGETHER FOR 1 SLEEVE SIZE

NOTES

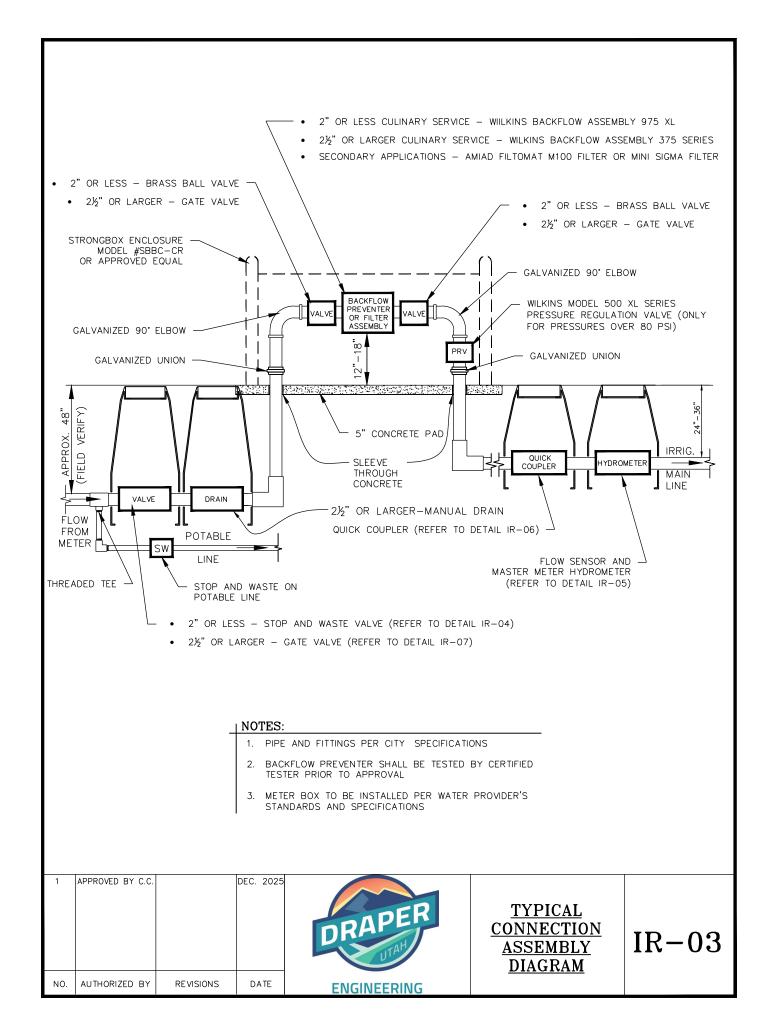
APPROVED BY C.C.

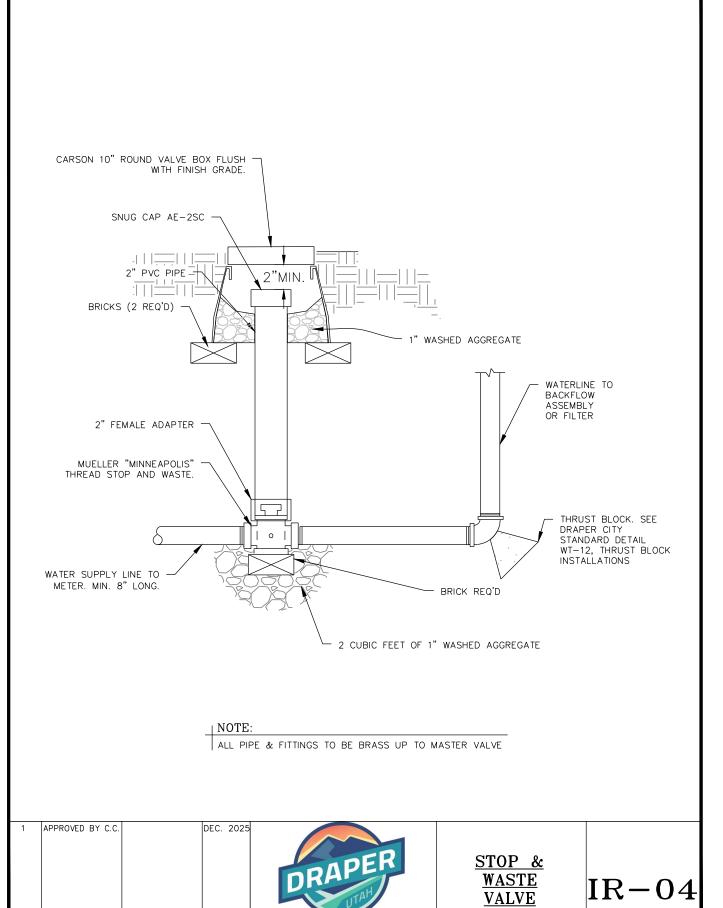
1. NO TEES OR ELBOWS SHALL BE PLACED IN SLEEVES.

DEC. 2025

- 2. TRACER WIRE REQUIRED UNDER ALL MAINS.
- SLEEVE LOCATIONS SHALL BE MARKED WITH 36" REBAR OR PERMANENT MARKING ON CONCRETE.

				DRAPER	<u>PIPE</u> <u>SLEEVING</u> <u>DETAIL</u>	IR-02
NO.	AUTHORIZED BY	REVISIONS	DATE	ENGINEERING		



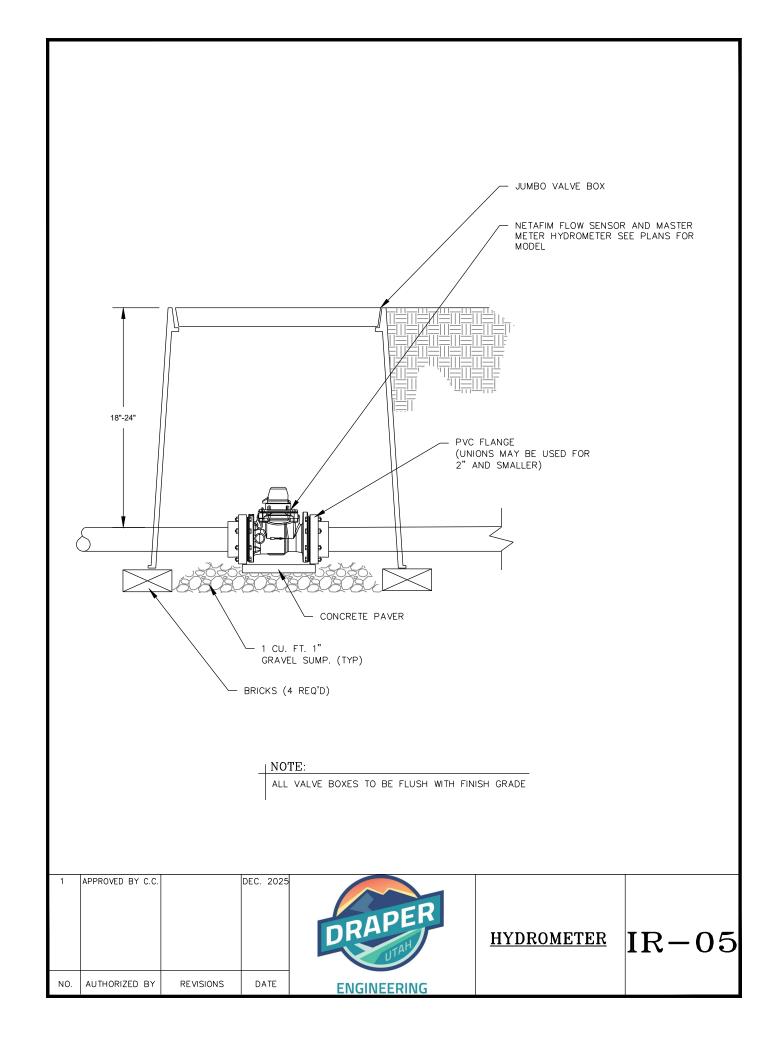


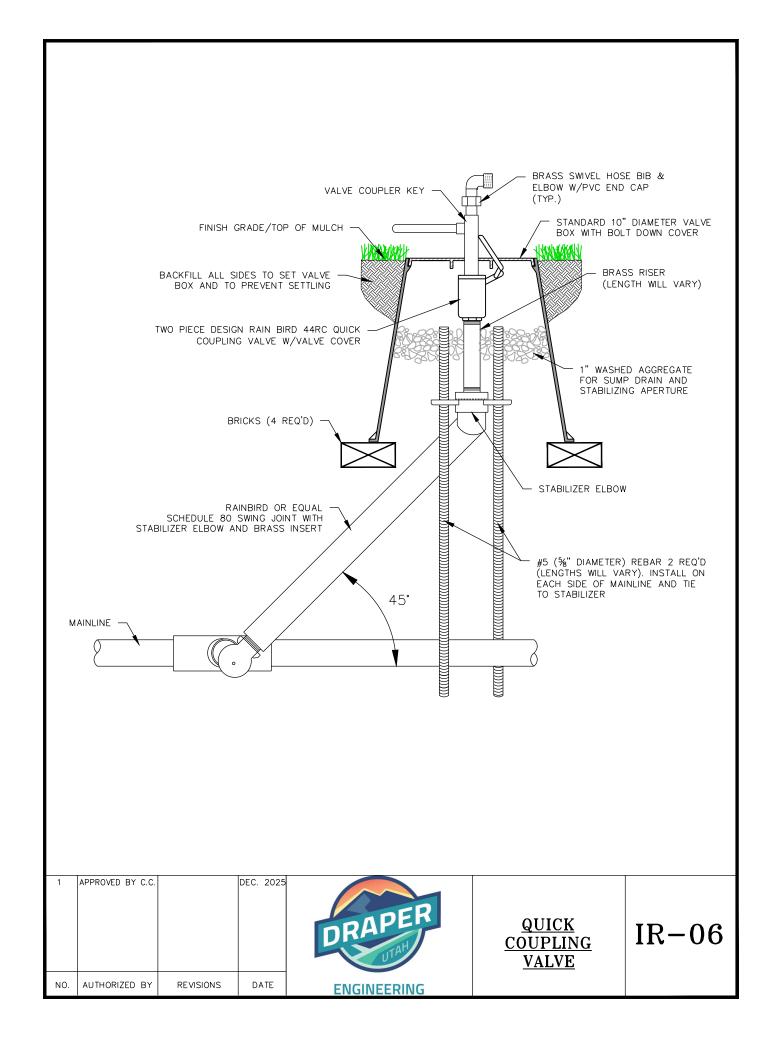
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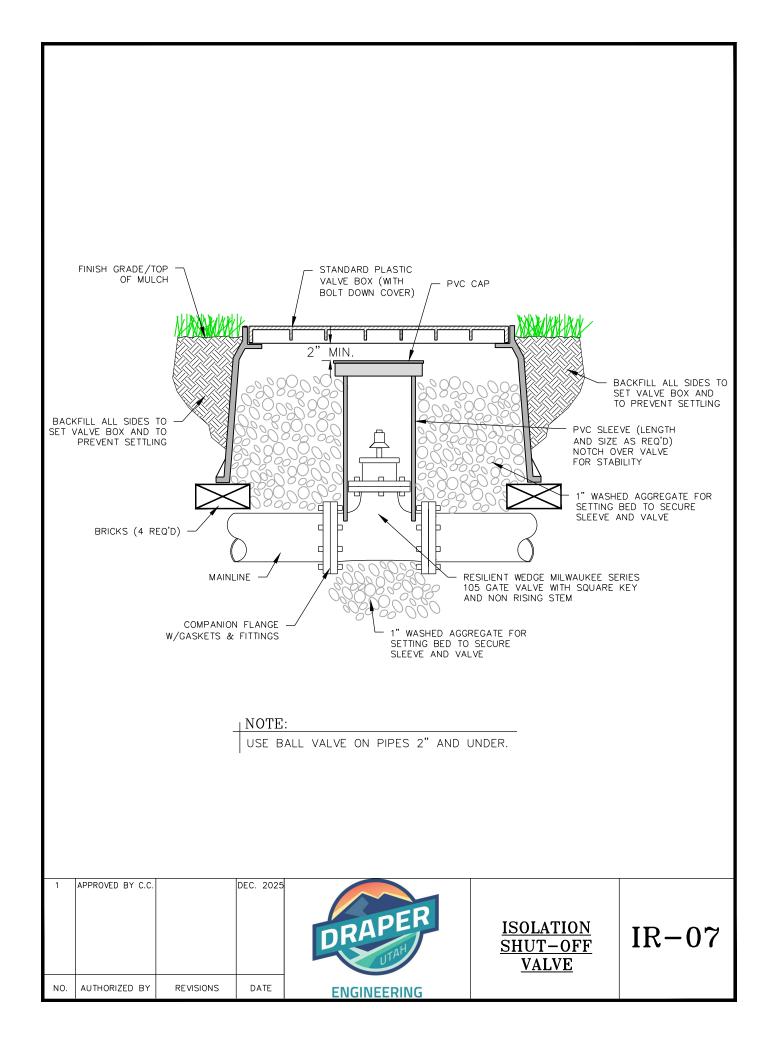
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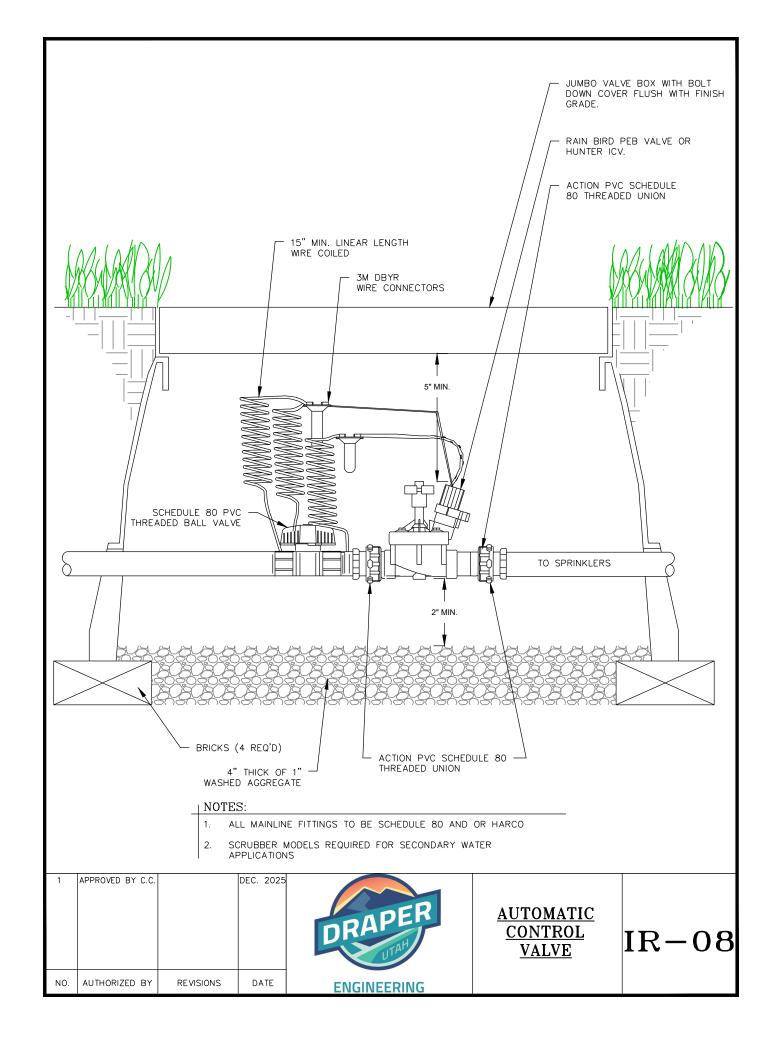
REVISIONS

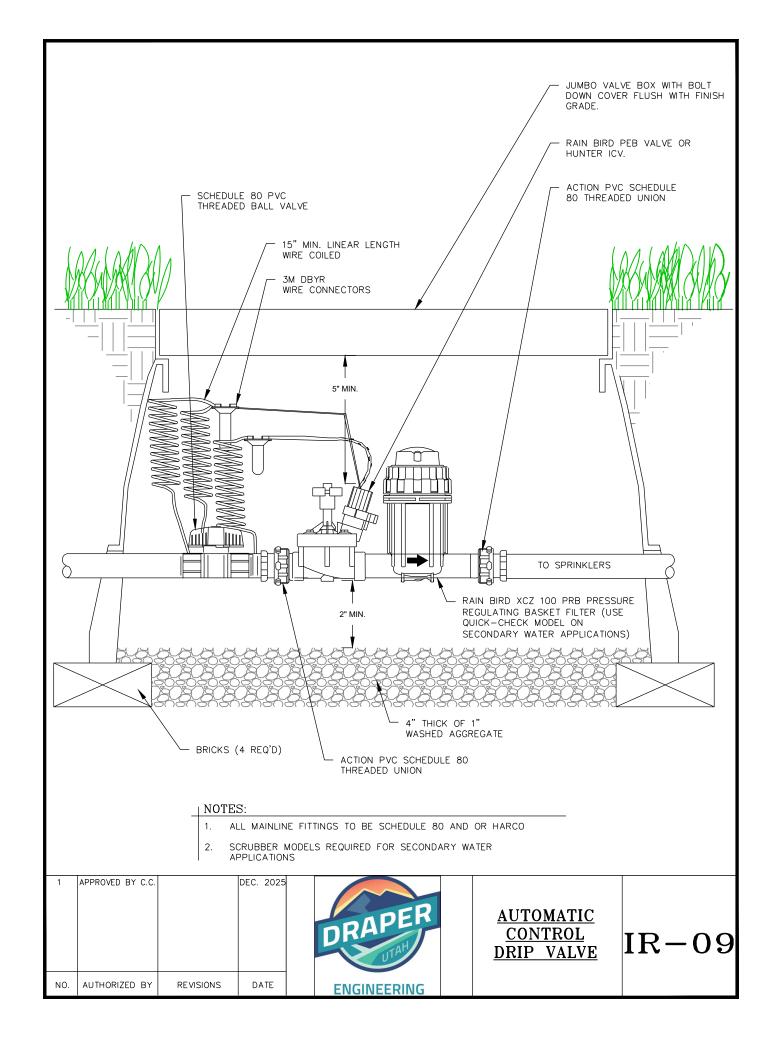
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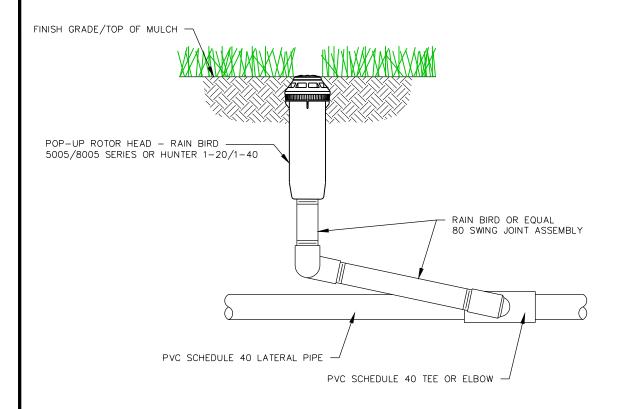








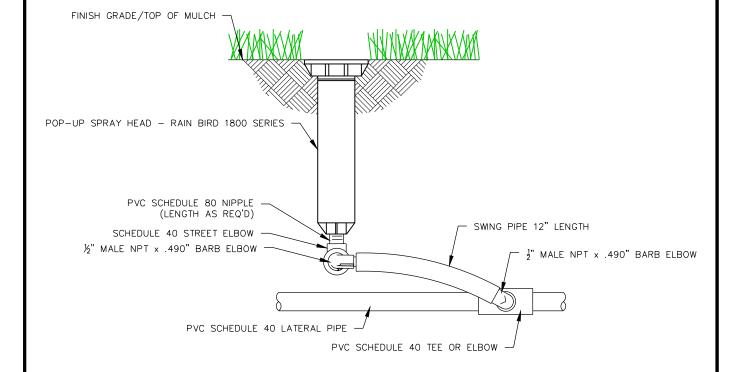




NOTES:

- 1. HEADS TO INCLUDE 4" MINIMUM POP-UP.
- 2. NOZZLES TO BE SAME MANUFACTURE AS SPRINKLER HEAD.
- HEADS TO INCLUDE BUILT-IN CHECK VALVES (SAM) AND PRESSURE REGULATION (PRS) ON SLOPED AREAS.

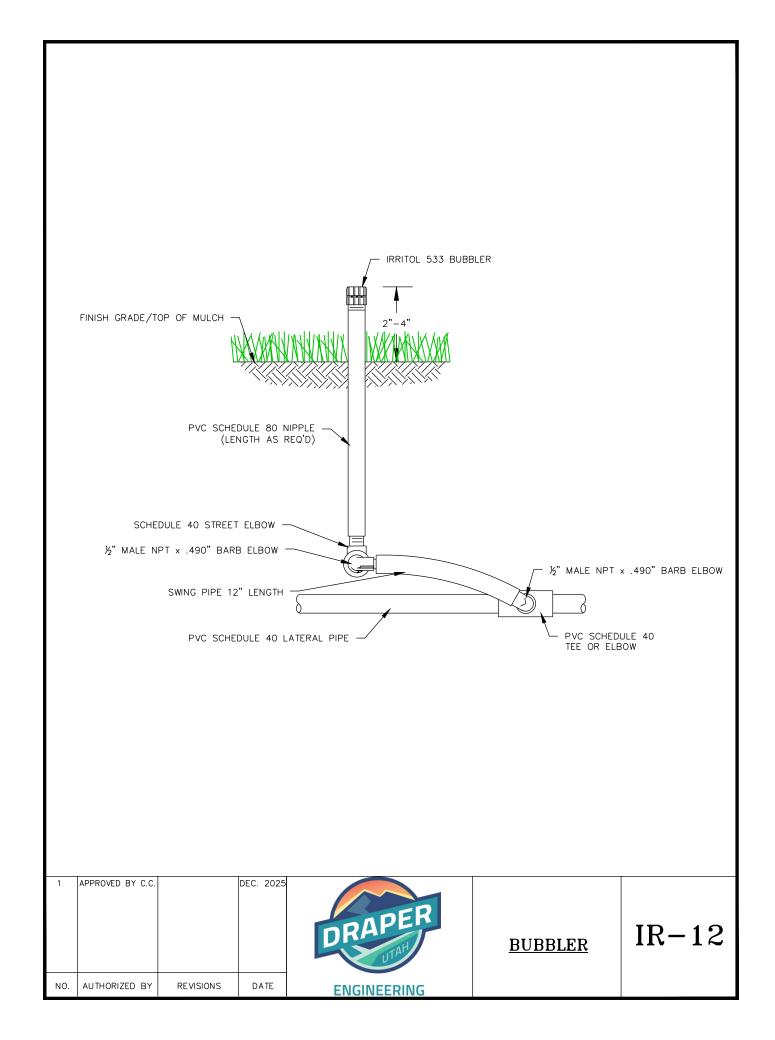
	1	APPROVED BY C.C.		DEC. 2025	DRAPER	POP-UP ROTOR HEAD	IR-10
L	NO.	AUTHORIZED BY	REVISIONS	DATE	ENGINEERING		

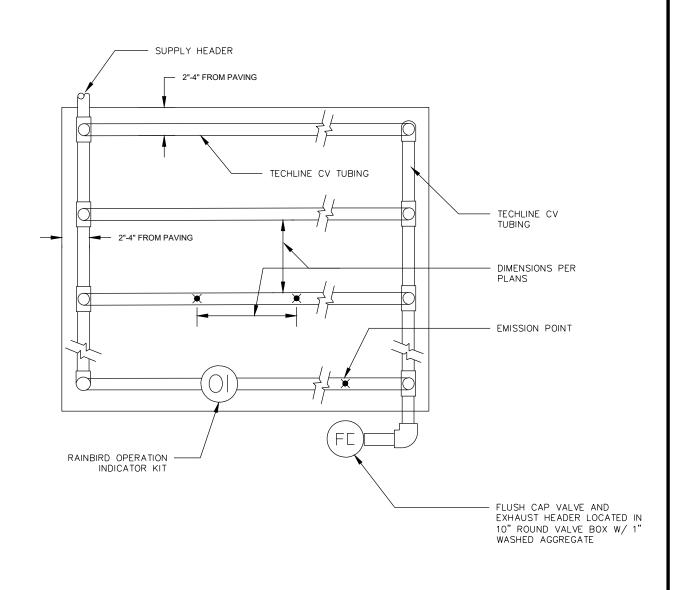


| NOTES:

- 1. HEADS TO INCLUDE 4" MIN. POP-UP.
- 2. NOZZLES TO BE SAME MANUFACTURE AS SPRINKLER HEAD.
- 3. HEADS TO INCLUDE BUILT-IN-CHECK VALVES (SAM) AND PRESSURE REGULATION (PRS) ON SLOPED AREAS.

1	APPROVED BY C.C.		DEC. 2025	DRAPER	POP-UP SPRAY HEAD	IR-11
NO	AUTHORIZED BY	REVISIONS	DATE	ENGINEERING		





| NOTES:

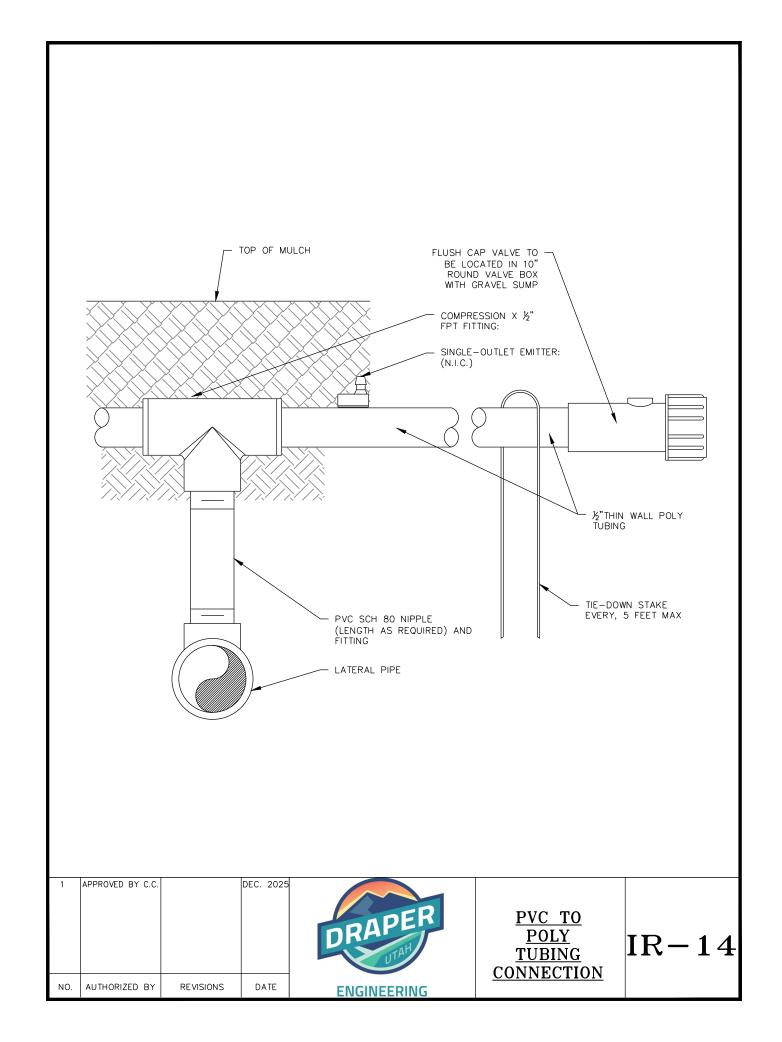
- 1. INSTALL FLUSH CAP VALVE, PER MANUFACTURER RECOMMENDATION.
- INSTALL OPERATION KIT NEAR THE END OF THE SYSTEM, PER MANUFACTURERS RECOMMENDATION.

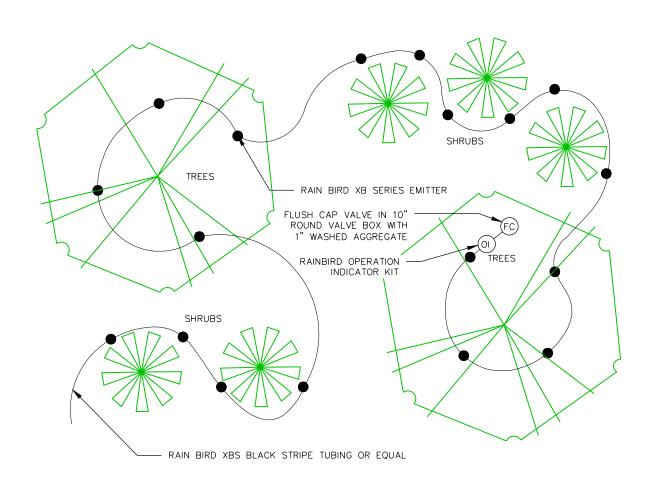
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IN LINE
DRIP GRID
LAYOUT

IR-13





| NOTES:

- LOCATE EMITTERS ON UPHILL SIDE OF SHRUBS. ON SLOPES PROVIDE WATER RETENTION BASIN AROUND PLANT TO ALLOW WATER TO POOL.
- 2. PLACE 2 MINIMUM EMITTERS PER EACH SHRUB OR PERENNIAL.
- 3. PLACE 4 MINIMUM EMITTERS PER EACH TREE.
- 4. EMITTERS SHALL BE PLACED IN CIRCLE PATTERN AROUND TREE FOR UNIFORM ROOT DEVELOPMENT.
- 5. INSTALL OPERATION KIT NEAR THE END OF THE SYSTEM, PER MANUFACTURERS RECOMMENDATION.

1	APPROVED BY C.C.		DEC. 2025	DRAPER	DRIP POINT SOURCE EMITTER	IR-15
NO.	AUTHORIZED BY	REVISIONS	DATE	ENGINEERING		

