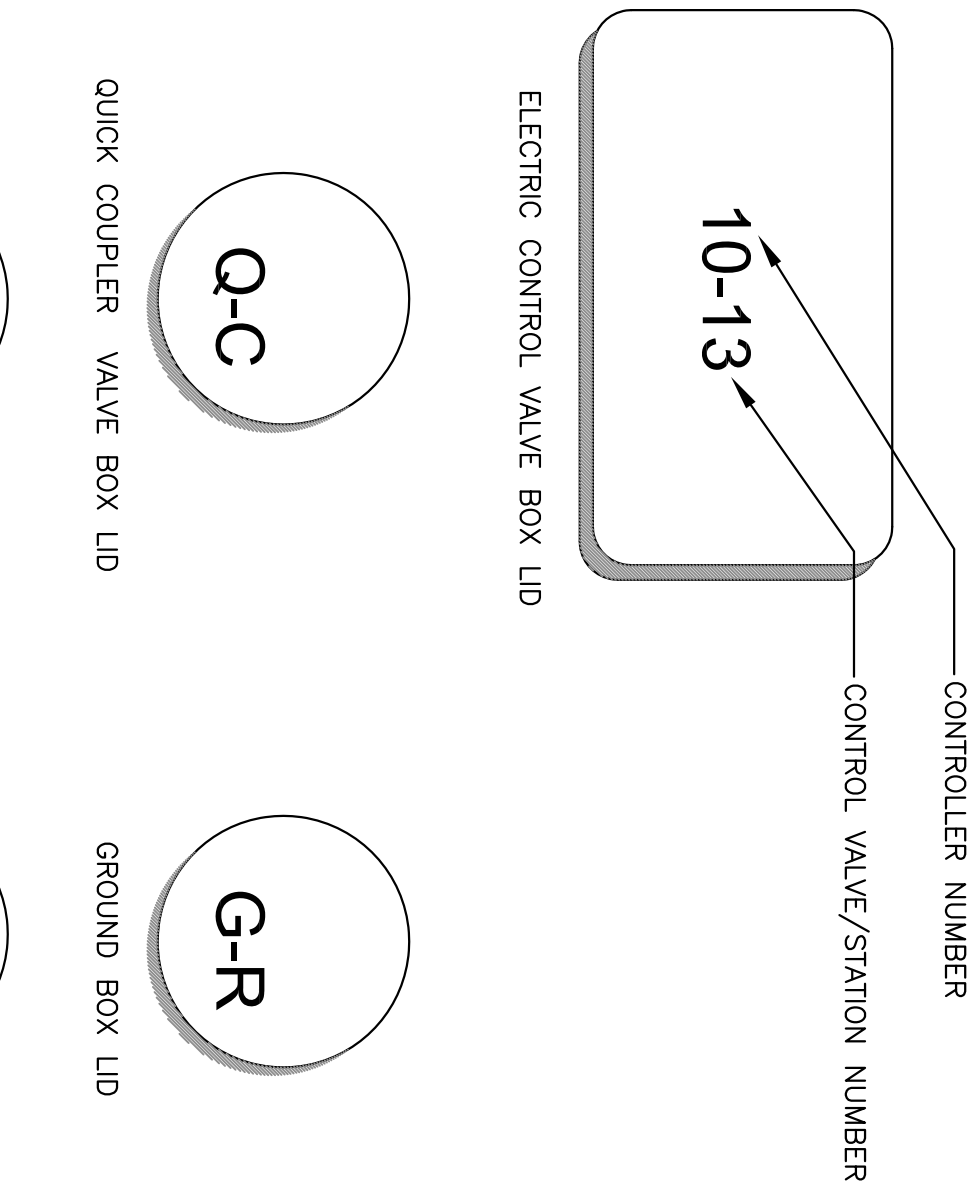


NOTES:

1. THRUST BLOCKS 3" IN DIAMETER AND LARGER SHALL RECEIVE CONCRETE.
2. A MINIMUM OF 6" OF CONCRETE SHALL BE POURED ON VIRGIN OR COMPACTED SOIL BENEATH EACH INSTALLATION.
3. BACK OF CONCRETE THRUST BLOCK MUST BEAR AGAINST UNDISTURBED OR PROPERLY COMPACTED EARTH.
4. CONCRETE THRUST BLOCKS SHALL BE USED IN ADDITION TO DUCTILE IRON FITTINGS WITH MECHANICAL JOINT RESTRAINTS.

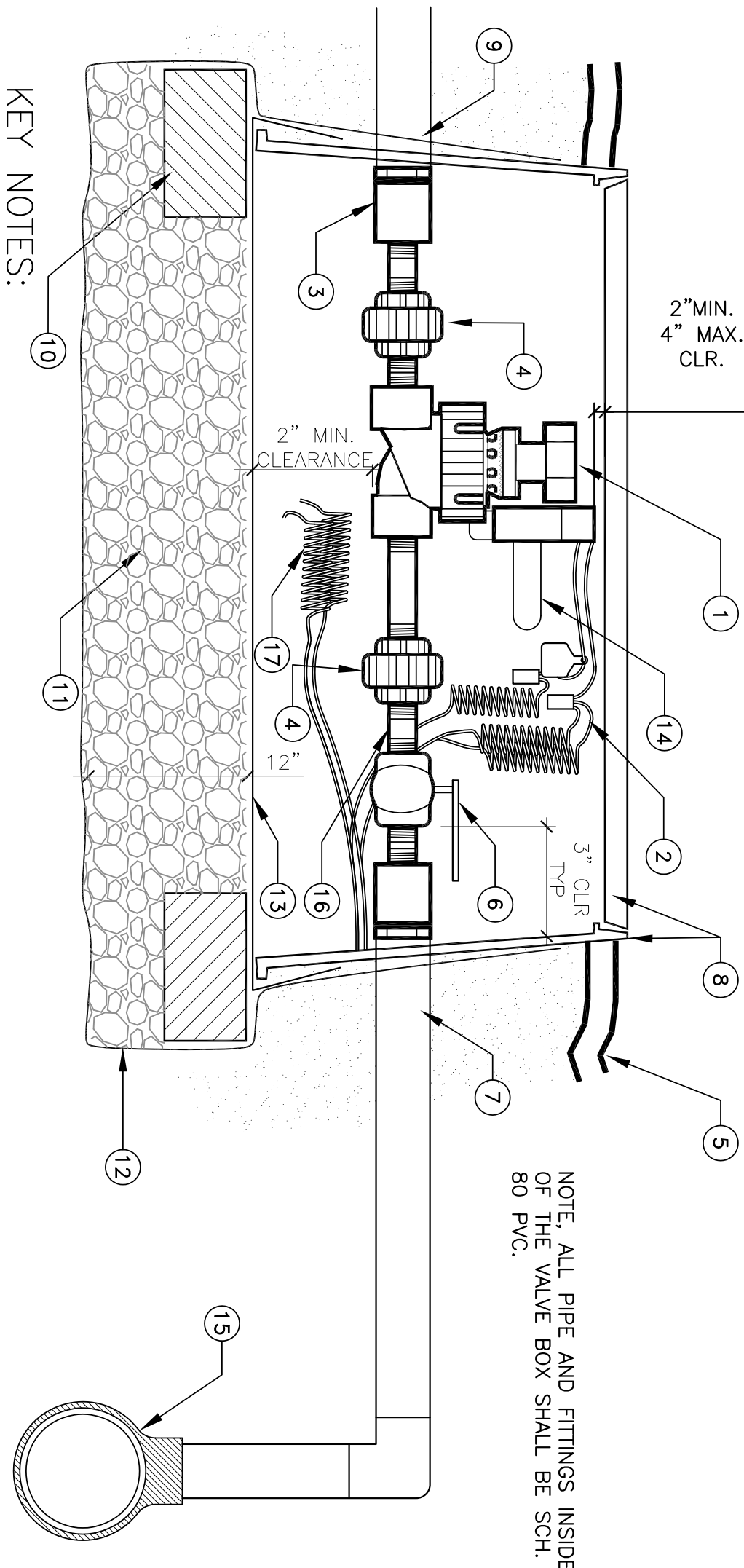
B1 TYPICAL CONCRETE THRUST BLOCKS

NOT TO SCALE



B3 VALVE BOX BRANDING

NOT TO SCALE

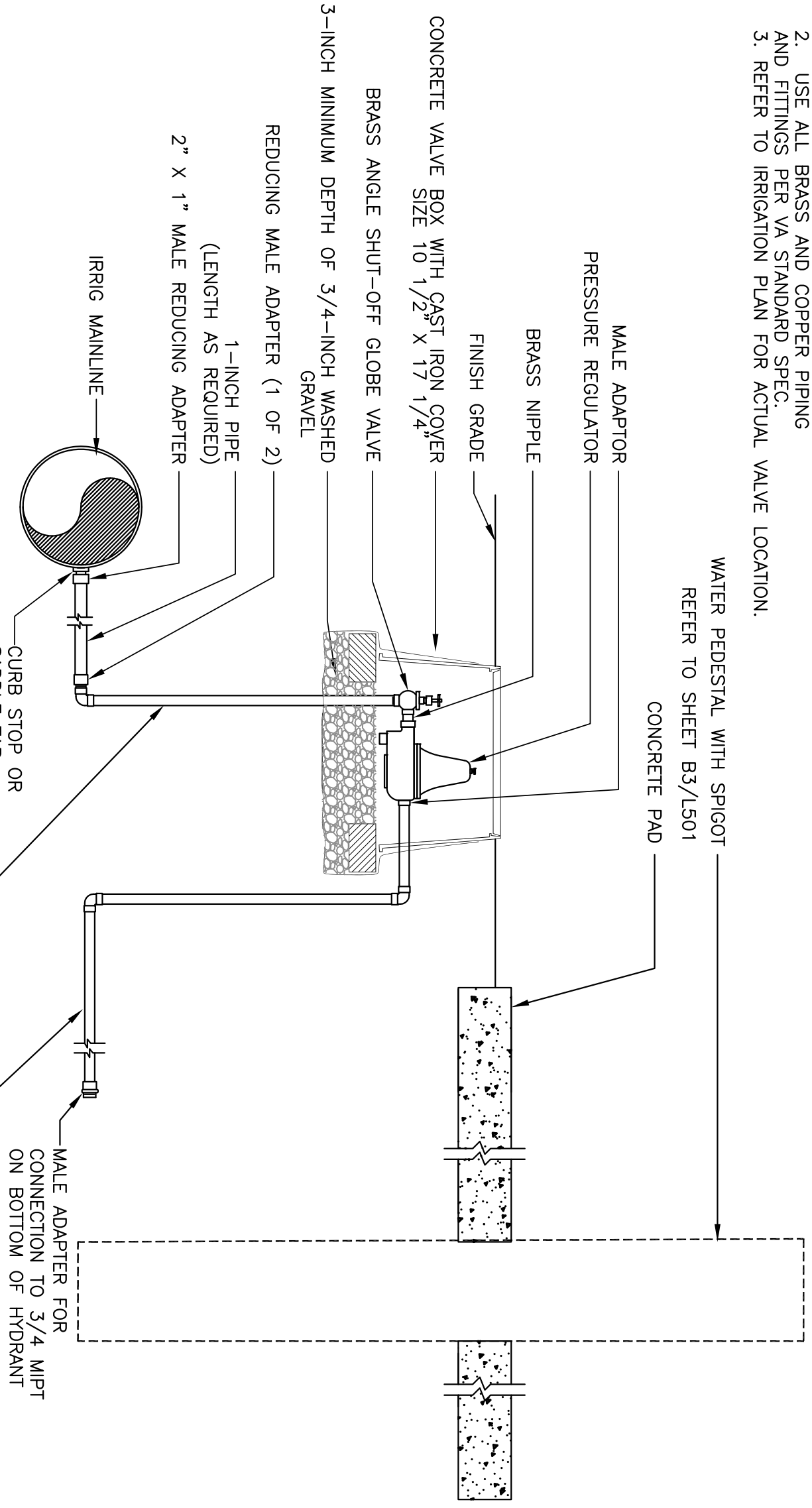


KEY NOTES:

1. ELECTRIC CONTROL VALVE (SIZE & MODEL PER PLAN)
2. BRICK CONNECTORS, VALVE TAPS AND EXPANSION JOINTS TO WELDS AROUND 1/2" PIPE
3. SCH 80 PVC MALE ADAPTER
4. SCH 80 PVC MALE UNION
5. BRASS BALL VALVE
6. BRASS BALL VALVE
7. SUPPLY FROM MAINLINE PIPE - SIZE AT LEAST AS LARGE AS LATERAL PIPE SIZE AS REQUIRED
8. LATERAL PIPE TRANSITION TO SIZE SHOWN ON PLAN WITHIN 6" OF UNION
9. LATERAL PIPE TRANSITION TO SIZE SHOWN ON PLAN WITHIN 6" OF UNION
10. BRICK SUPPORT - CONTINUOUS UNDER VALVE
11. BOX THICK 3/4" CRUSHED GRAVEL LAYER
12. FILTER FABRIC
13. GALV WIRE MESH TO PREVENT RODENT INTRUSION
14. PRESSURE REGULATING MODULE
15. MAINLINE CONNECTION - DUCTILE IRON TEE WITH JOINT RESTRAINTS
16. SCH 80 PVC NIPPLE, TYP
17. SPRING WELDS

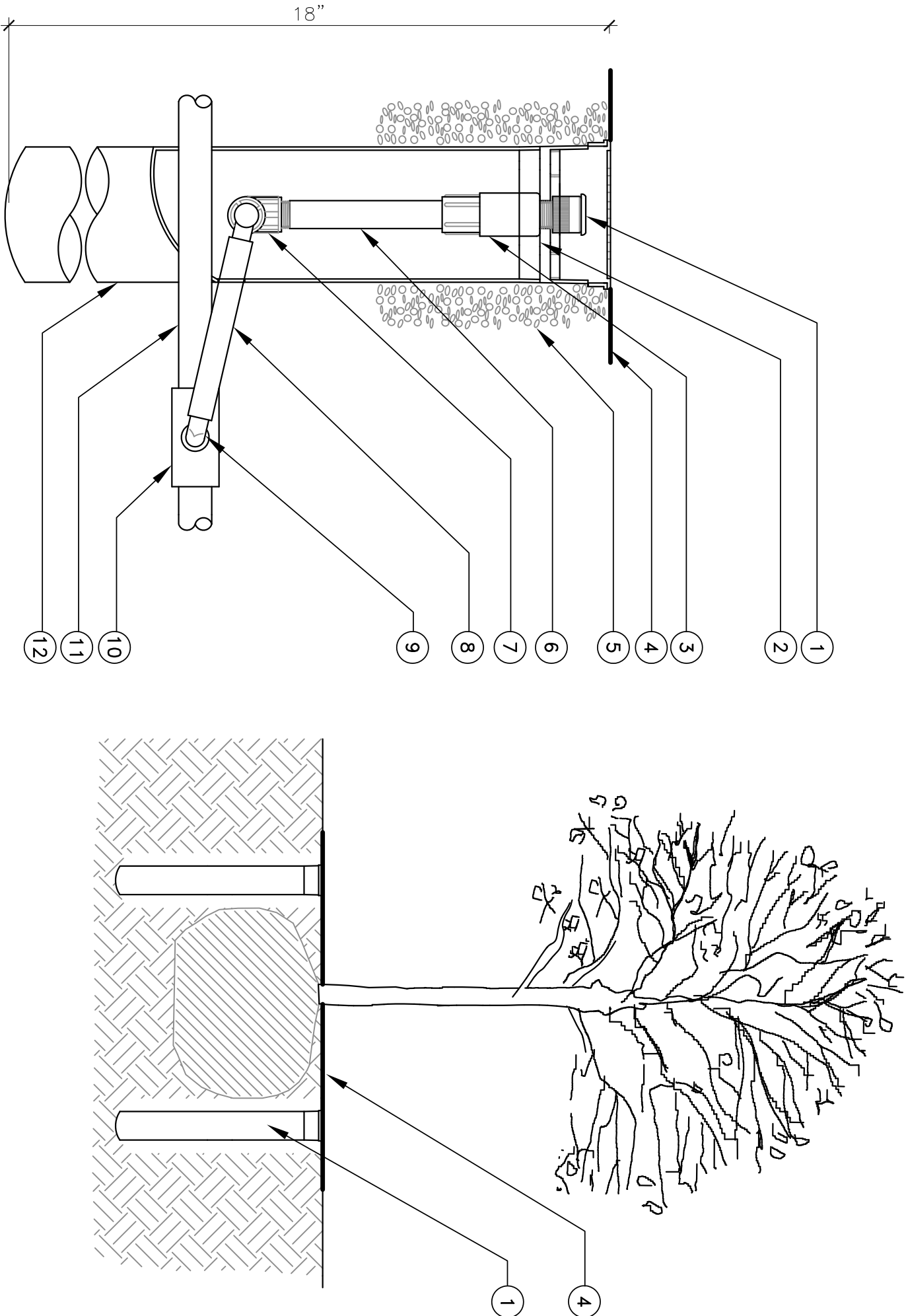
B5 REMOTE CONTROL VALVE

NOT TO SCALE



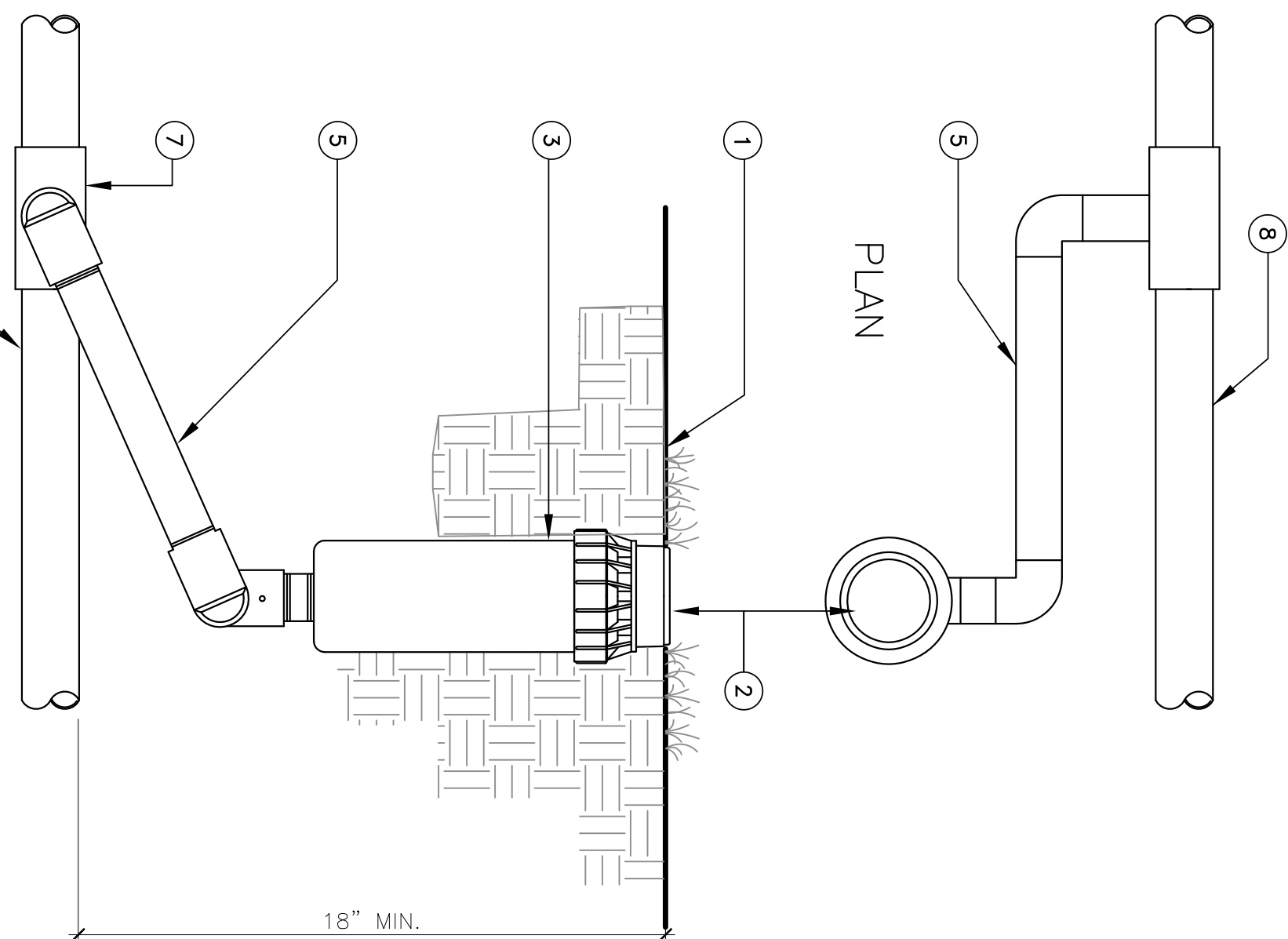
D8 WATERING STATION GATE VALVE WITH PRESSURE REGULATOR

NOT TO SCALE



KEY NOTES:

1. RUBBER
2. ROOT WATERING SYSTEM - SEE IRRIGATION LEGEND
3. CHECK VALVE
4. FINISH GRADE
5. OPTIONAL PEA GRAVEL FOR SANDY SOILS
6. 1/2- INCH PVC SCH 80 NIPPLE
7. 1/2- INCH 90- DEGREE ELBOW
8. SWING PIPE, 12- INCH SWING ASSEMBLY
9. 1/2- INCH MALE NPT INLET
10. PVC SCH 40 TEE OR ELL
11. LATERAL PIPE
12. 4- INCH BASKET WEAVE CANISTER



KEY NOTES:

1. FINISH GRADE
2. RUBBER COVER
3. ROTOR HEAD (SEE LEGEND)
4. (NOT USED)
5. FACTORY-FABRICATED, 3 PLANE, PVC SWING JOINT, 150 PSI MIN. RATING
6. (NOT USED)
7. PVC TEE
8. PVC LATERAL LINE

F4 POP UP ROTOR HEAD

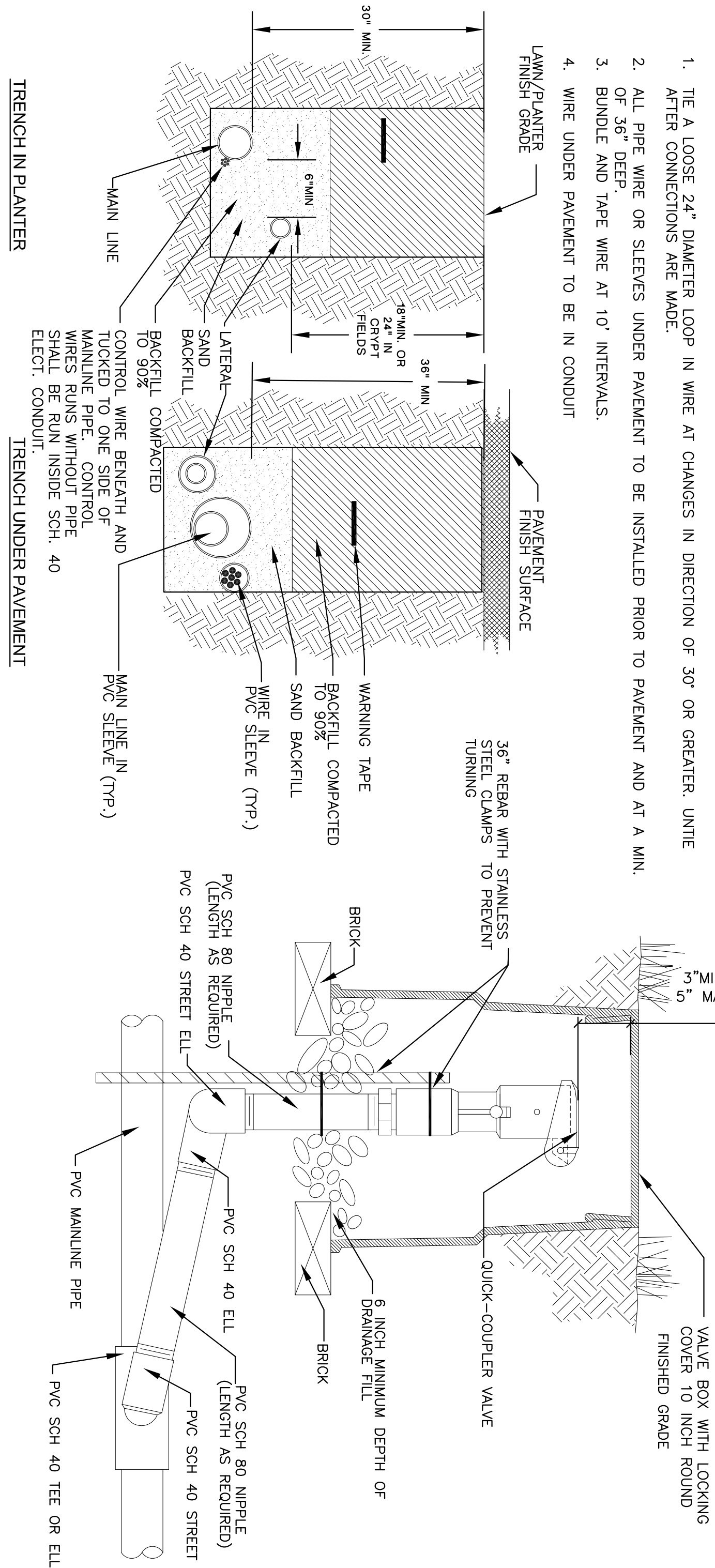
NOT TO SCALE

F1 TREE ROOT WATERING SYSTEM (FLOOD BUBBLERS)

N.T.S.

F6 PIPE & WIRE TRENCHING

NOT TO SCALE



F8 QUICK COUPLING VALVE

NOT TO SCALE

CONSTRUCTION DOCUMENTS

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COST ESTIMATING LTC 1000 S. GATEWAY BLVD. SUITE 102 CONCORD, CA 94502 (916) 925-4000 PHONE		JACOBS Jacobs Engineering Group Inc. Consultants in Architecture, Engineering, Planning, and the Environment 5000 Gateway Office Sacramento, California 95811 (916) 929-3323 Fax (916) 929-1772	
Drawing Title IRRIGATION DETAILS		Project Title SAN JOAQUIN VALLEY NATIONAL CEMETERY PRE-PLACED CRIPPS IN SECTION 21	
Approved Project Director		Building Number 9130M3012	
Location SAN JOAQUIN VALLEY NATIONAL CEMETERY SANTA NEILA, CALIFORNIA		Drawing Number 1-3	
Date 09/28/2015		Dwg. 24 of 25	
Checked MS		Drawn RW	
National Cemetery Administration Design and Construction Service		Department of Veterans Affairs	