

NOTE:

1. ALL CABLES & ELECTRICAL WIRES MUST BE RUN IN CONDUIT.
2. THIS DETAIL PERTAINS TO 16" CONTROLLER MODEL ONLY. FOR ALL OTHER MODELS, REFER TO MANUFACTURERS SPECIFICATIONS.
3. SA ASSEMBLY TO INCLUDE: CONTROLLER MODEL AS SPECIFIED, ENCLOSURE MODEL AS SPECIFIED, TERMINAL STRIPS, TEMPLATE & BOLTS, 8' COPPER GROUND ROD AND GROUND ROD CLAMP OR 10' OF #6 GROUNDING WIRE.

CENTRAL CONTROLLER



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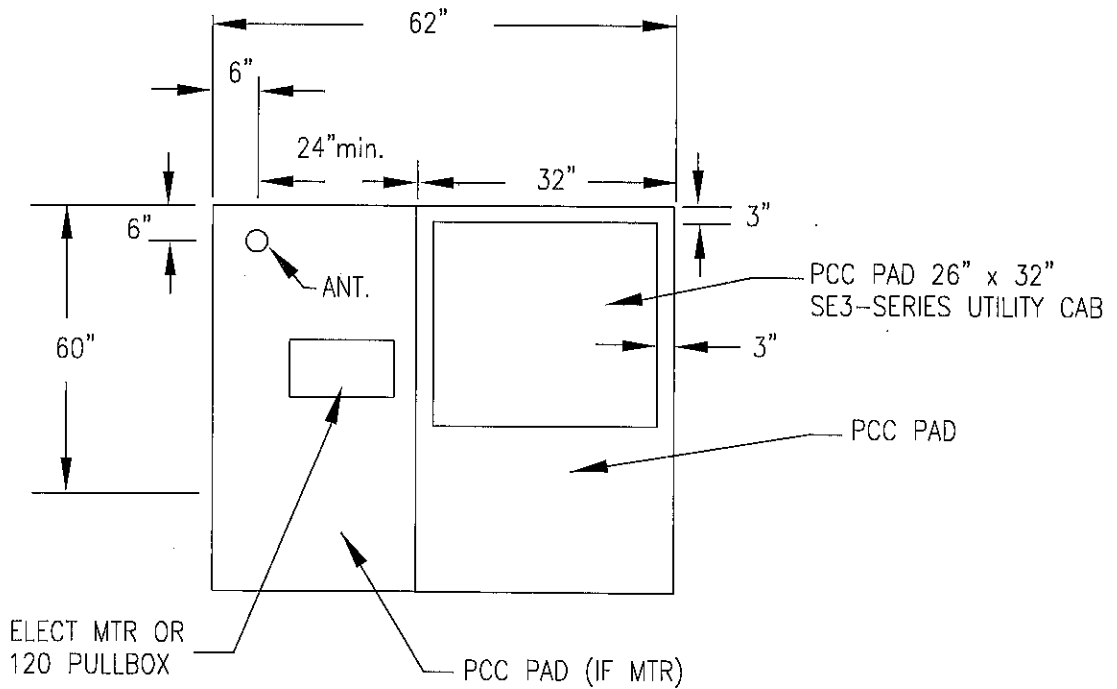
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IRRIGATION

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CENTRAL CONTROLLER

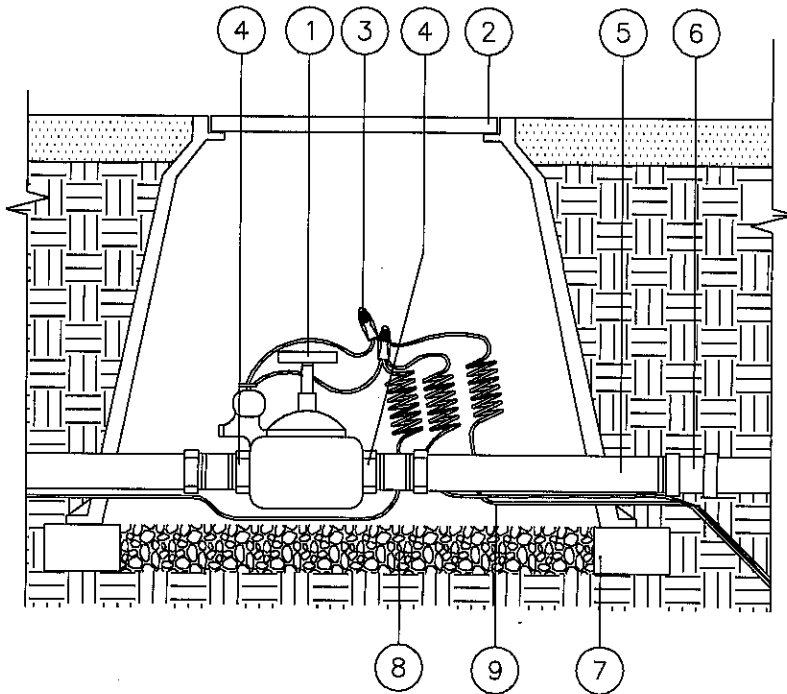
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APPROVED BY:
Rick Jordan
CITY ENGINEER
8-18-14
DATE



- ① MASTER CONTROL VALVE
- ② PLASTIC VALVE BOX WITH BOLT-DOWN LID
- ③ WIRE SPLICE CONNECTOR
- ④ SCH. 80 PVC UNION
- ⑤ SCH. 40 NIPPLE
- ⑥ SCH. 40 FITTING
- ⑦ BRICK SUPPORTS (4 TOTAL)
- ⑧ 2" DEEP SAND
- ⑨ LOW VOLTAGE WIRES

NOTES: PROVIDE A THREE FOOT EXPANSION COIL AT EACH WIRE CONNECTION IN VALVE BOX. TAPE & BUNDLE LOW VOLTAGE WIRES, LOOP & COIL SPARE WIRE BUNDLES.

PILOT WIRE SHALL BE YELLOW

FLOW METER SHALL BE LOCATED DOWNSTREAM OF MASTER VALVE

MASTER VALVE

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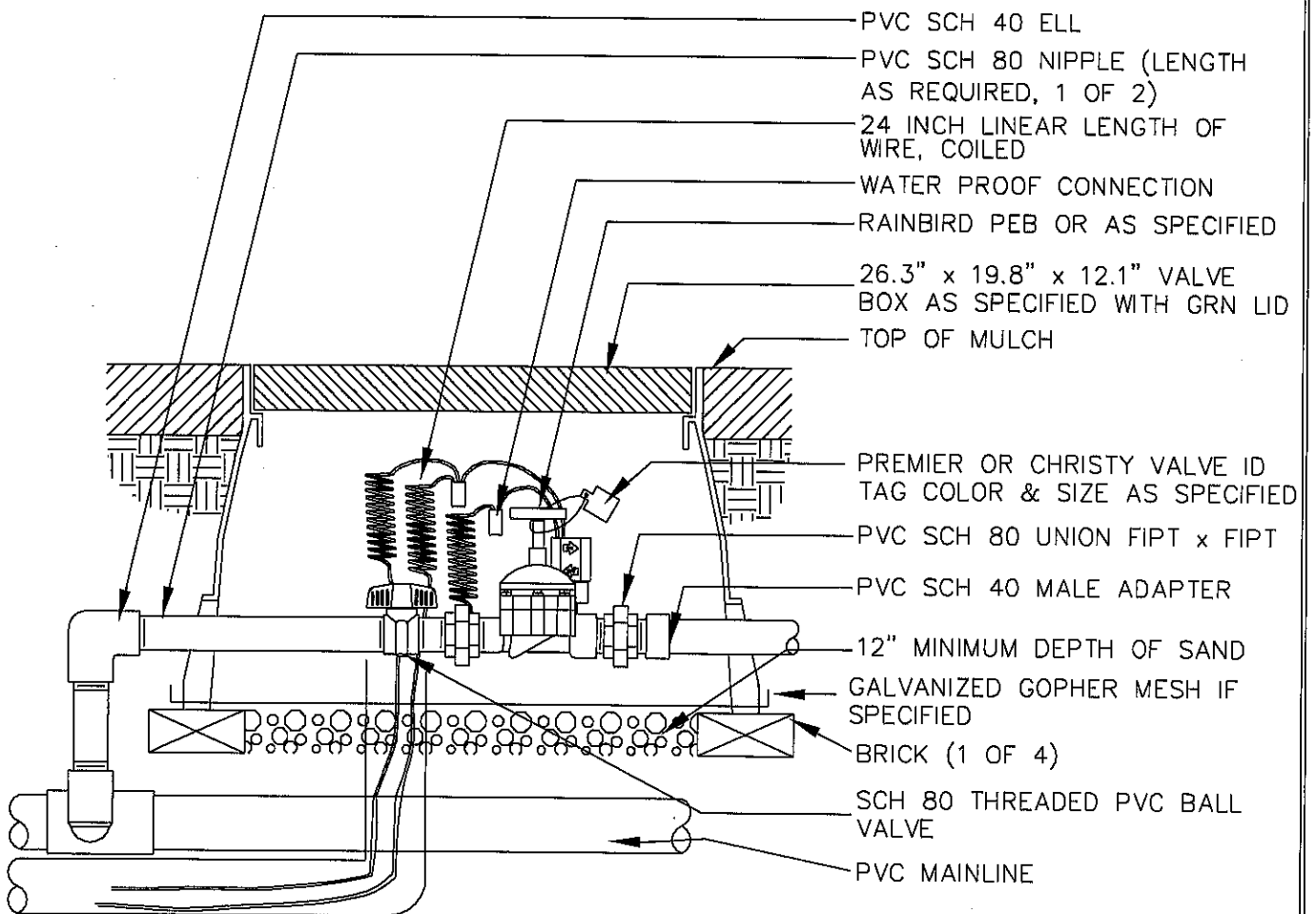


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REMOTE CONTROL VALVE

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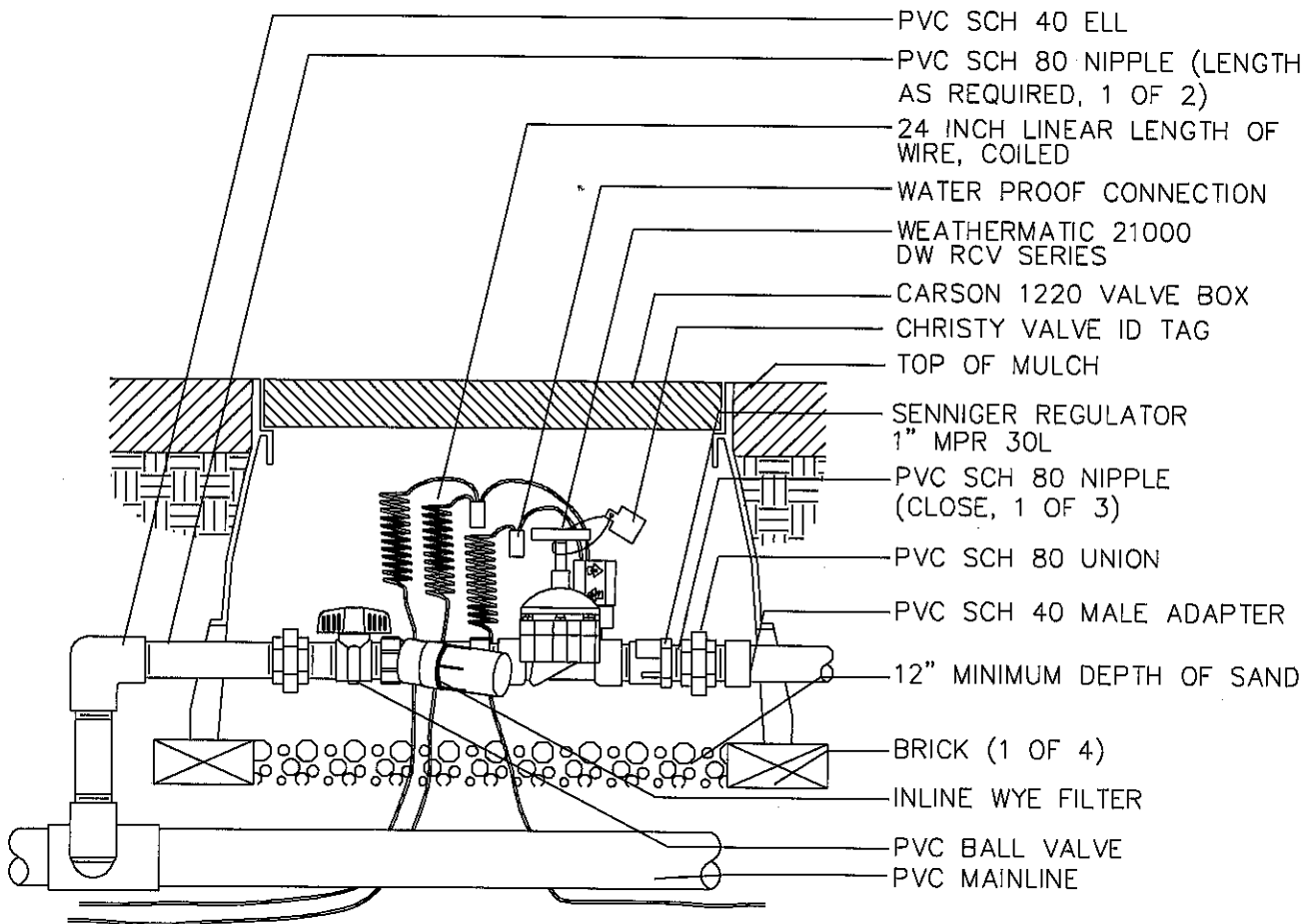
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SECTION:

IRRIGATION

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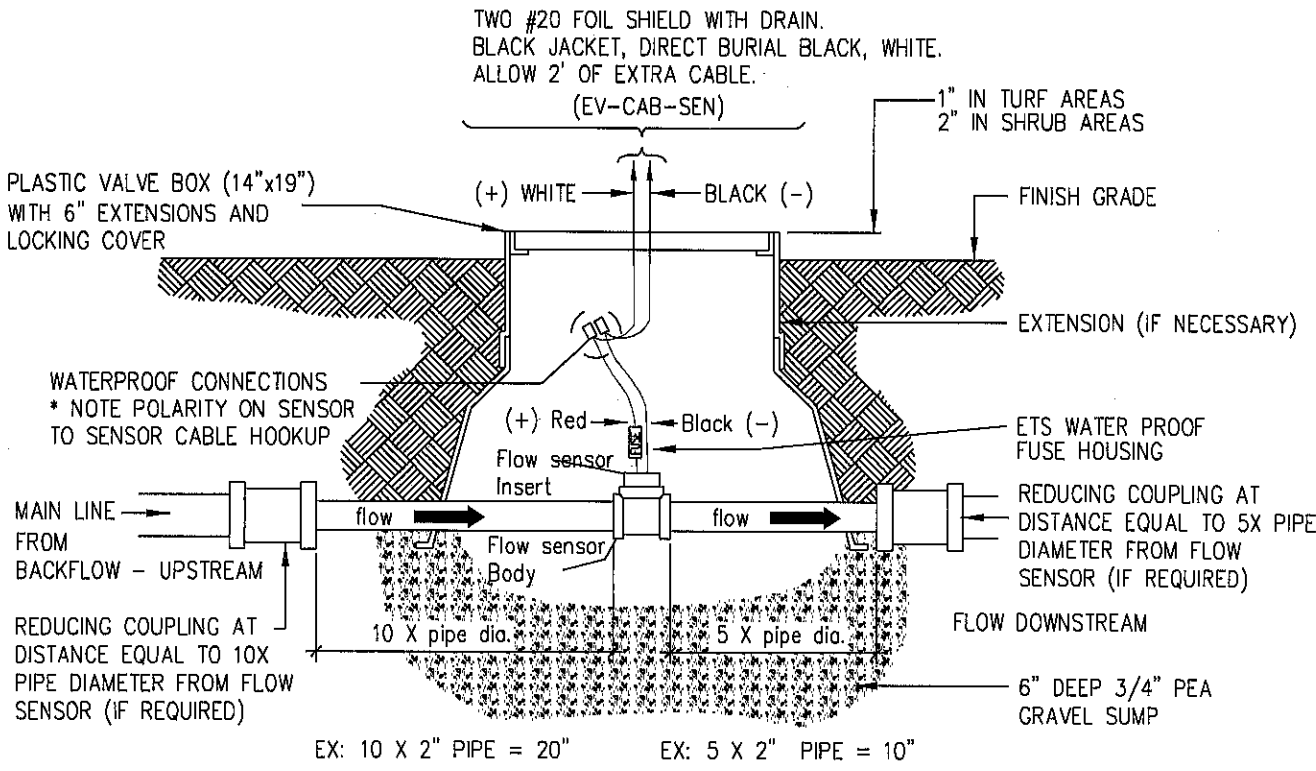
REMOTE CONTROL VALVE W/ FILTER

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* NOTE: FLOW SENSOR MUST BE INSTALLED WITH INSERT (TOP) POSITIONED VERTICALLY AND BODY (TEE) POSITIONED HORIZONTALLY.

CABLE IS TO BE INSTALLED IN CONDUIT.

LID TO BE MARKED "FS" PER SPECIFICATIONS.

EX: 10 X 2" PIPE = 20" EX: 5 X 2" PIPE = 10"

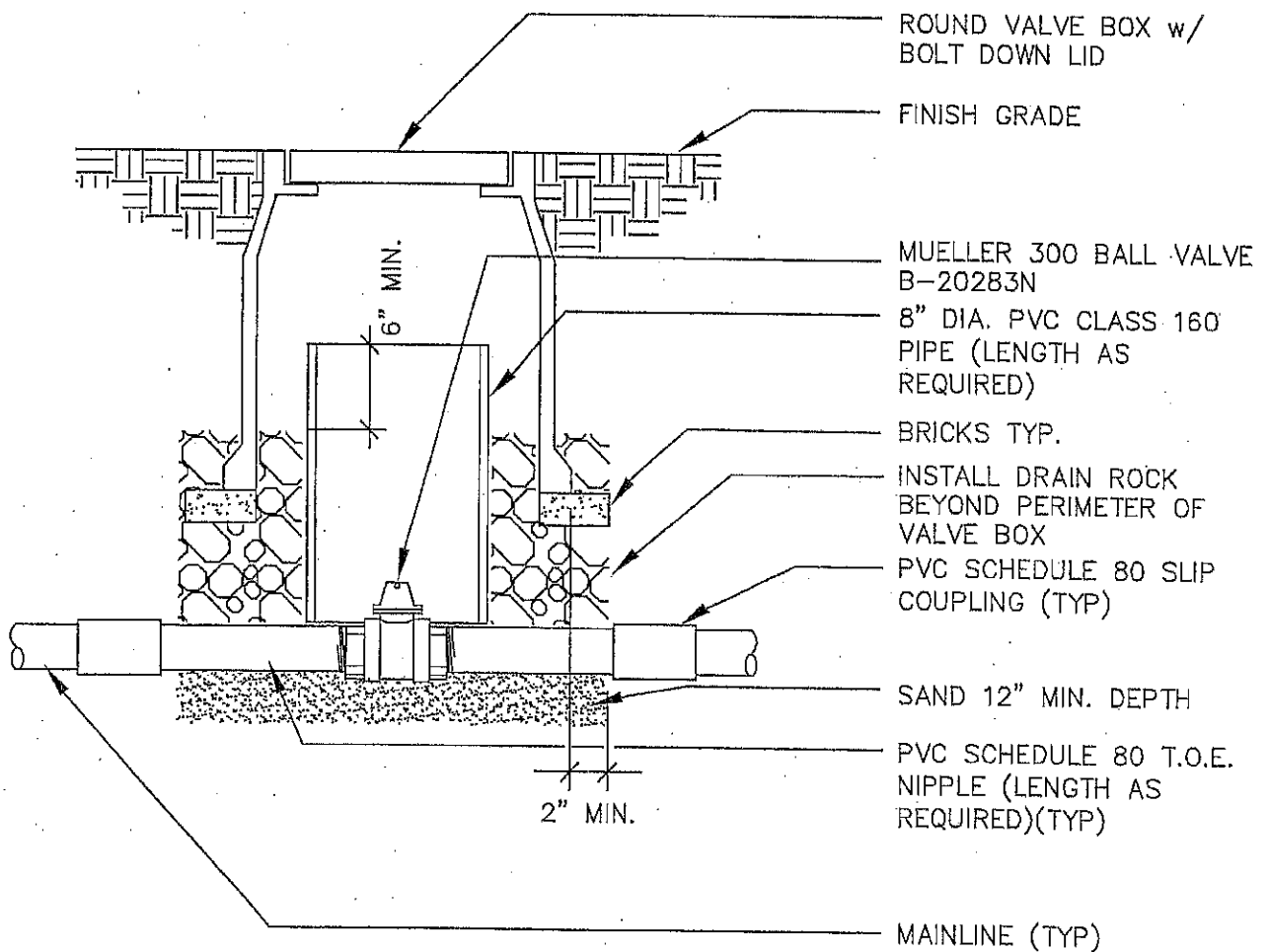
FLOW SENSOR

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BALL VALVE

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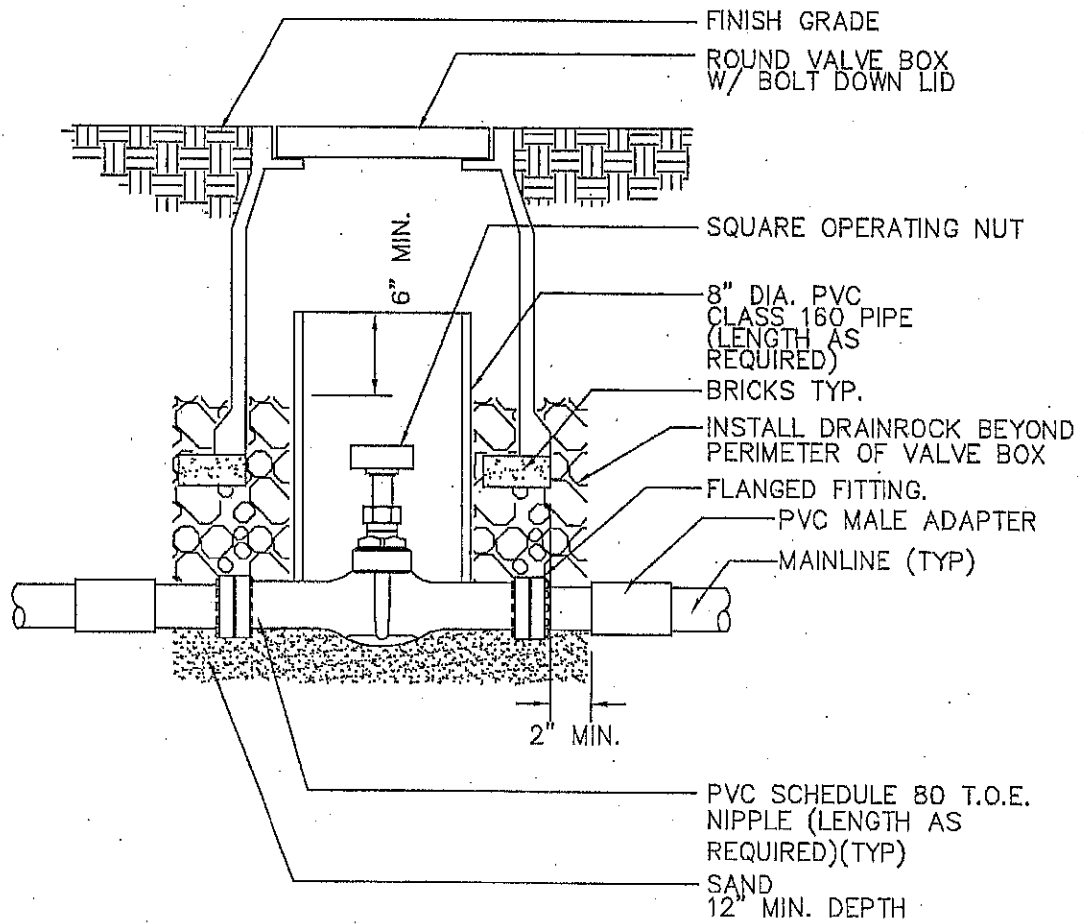
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SECTION:
IRRIGATION

DRAWING NO.: **IRR-7**



GATE VALVE - 2 1/2" OR LARGER

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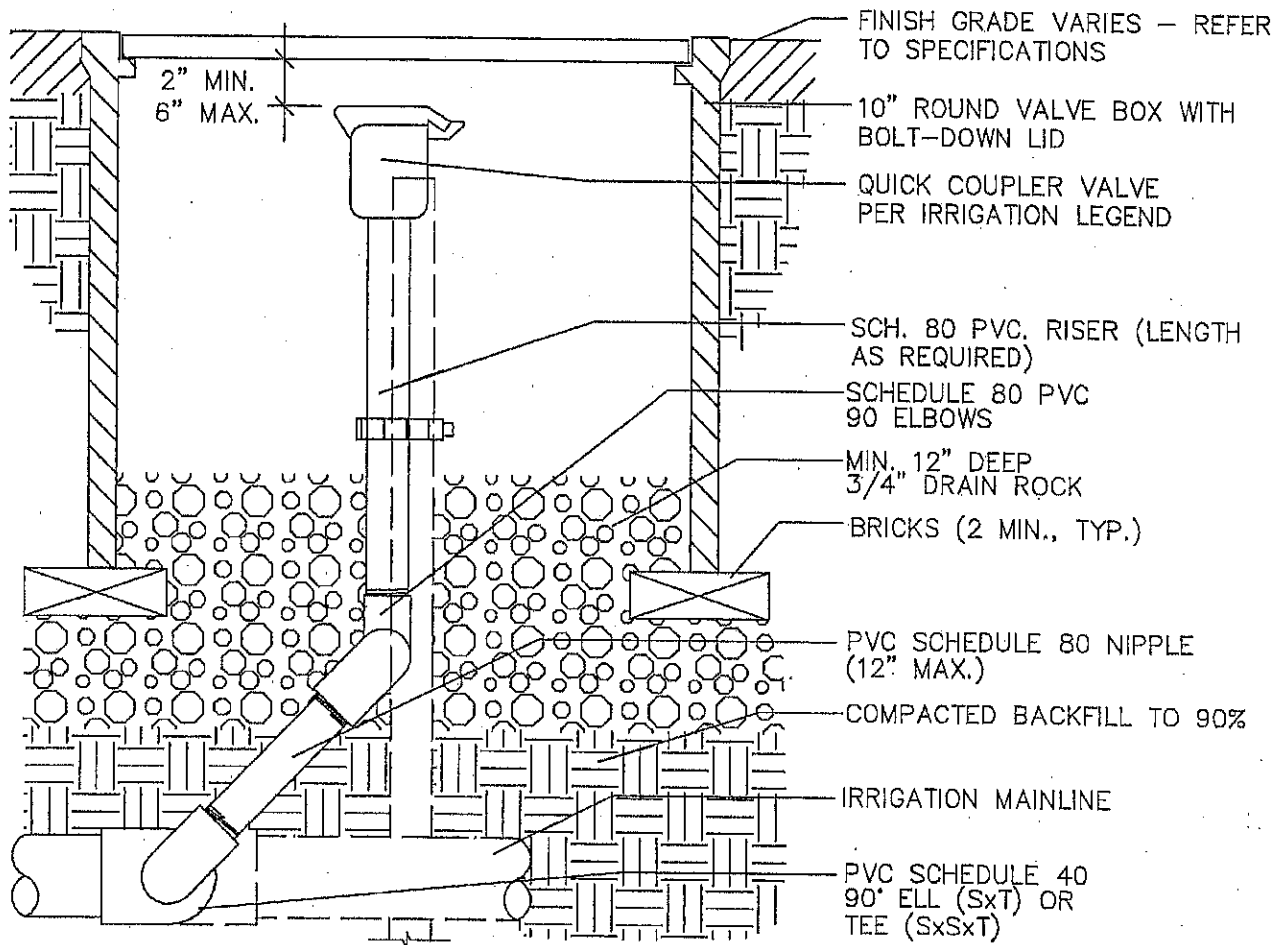


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Richard S. ...
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QUICK COUPLER VALVE

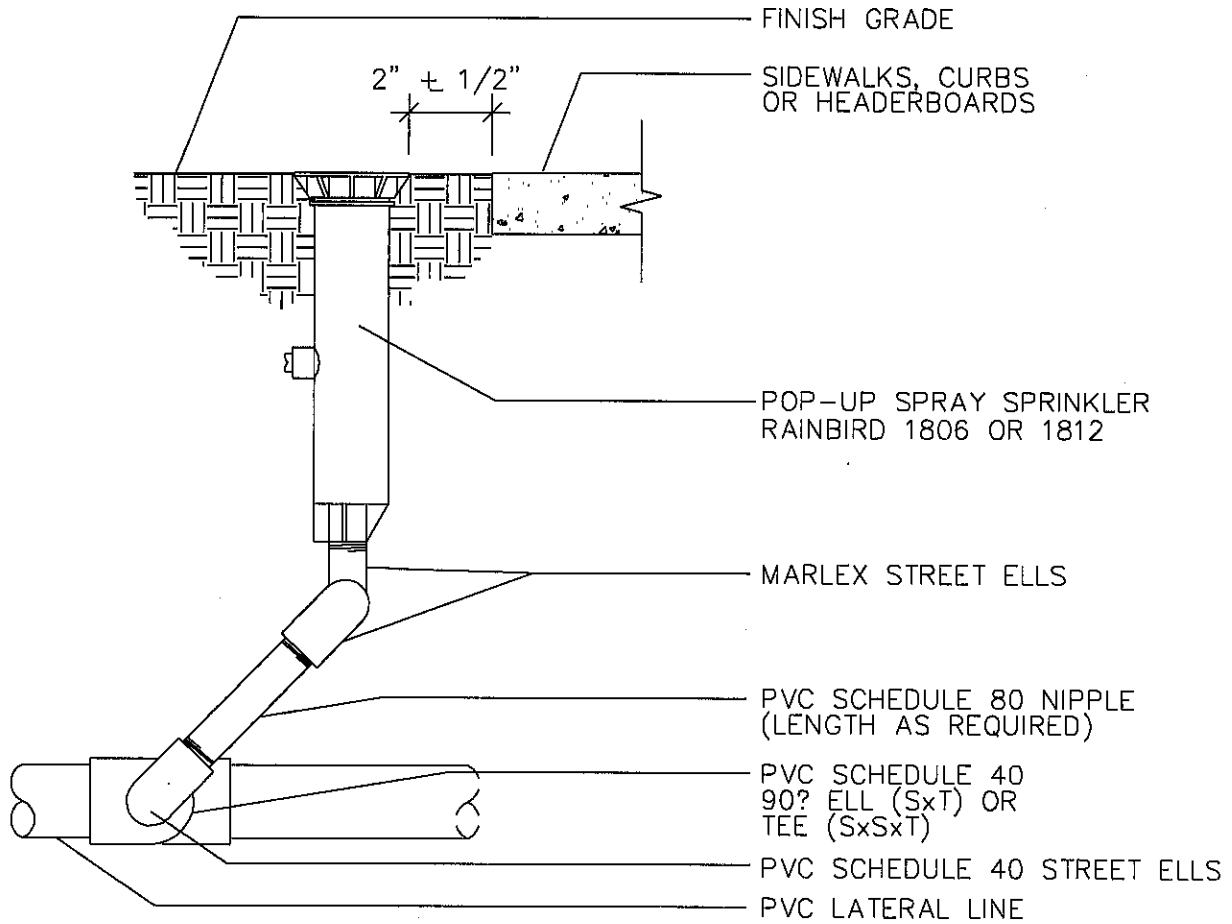
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- Use 1806 SAM-PRS for turf
- Use 1812 SAM-PRS for shrub/groundcover/bedding plants

POP-UP SPRAY SPRINKLER

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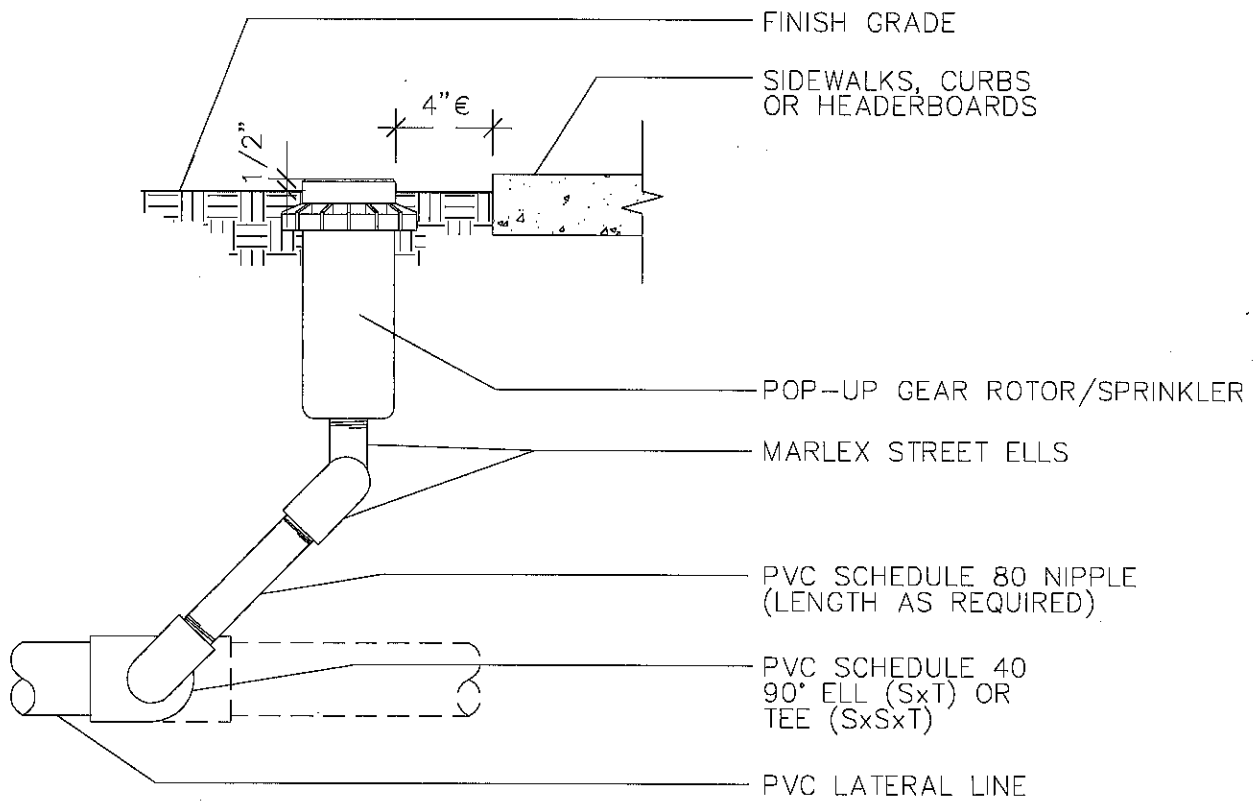


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TURF ROTOR SPRINKLER

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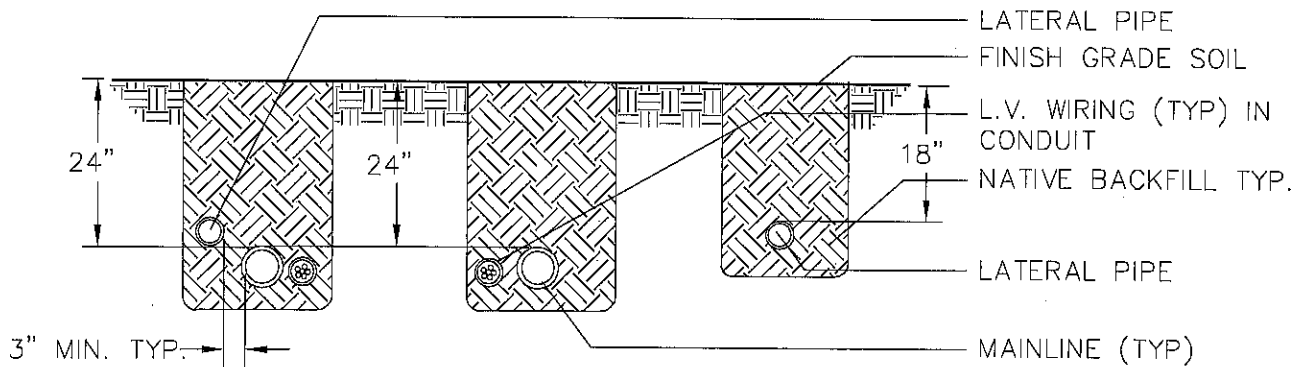
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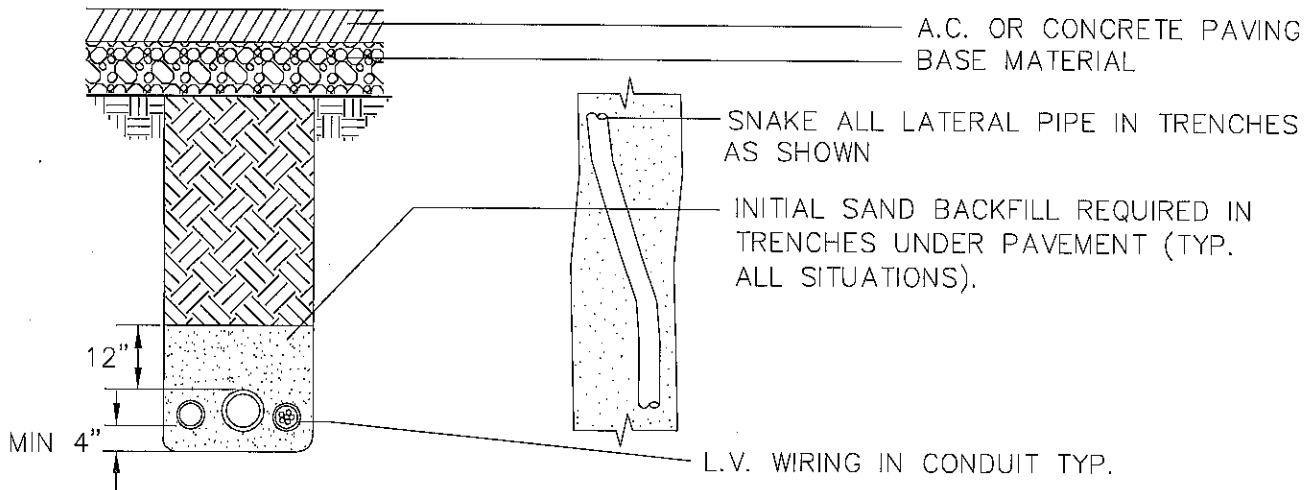
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TRENCHING UNDER PLANTING AREAS



TRENCHING UNDER PAVEMENT

(Refer to the General Undergrounding Section for Trench Construction in a Pavement Area)

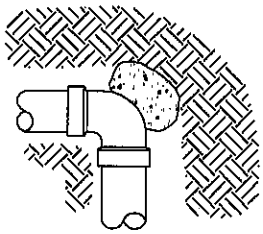
TRENCHING

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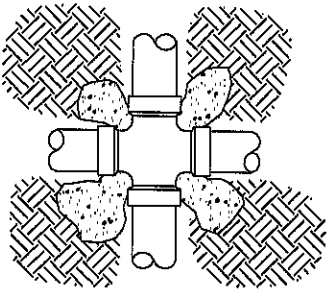


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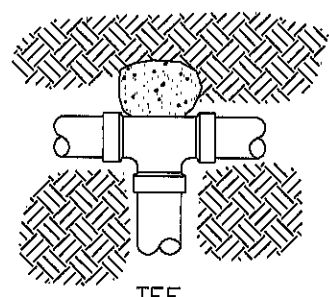
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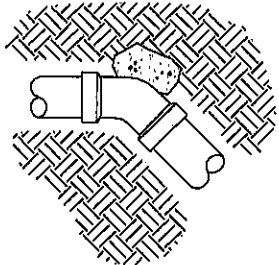
90° ELLBOW



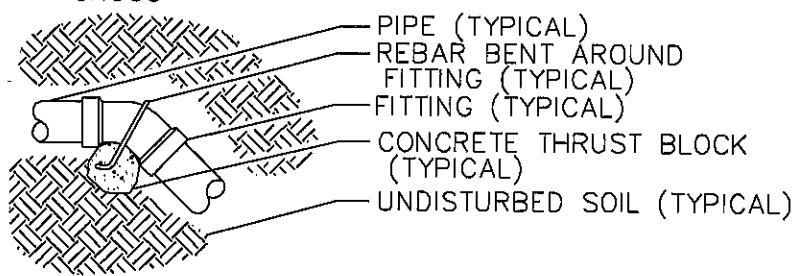
CROSS



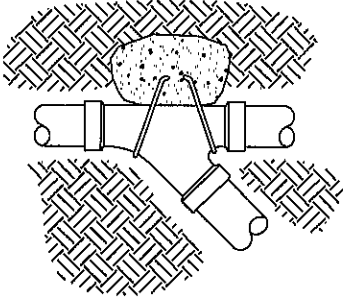
TEE



45° ELLBOW



45° ELLBOW



WYE

NOTES:

1. SUPPLY LINES 3 INCHES IN DIAMETER AND LARGER SHALL RECEIVE CONCRETE THRUST BLOCKS.
2. SEE SPECIFICATIONS FOR AMOUNT OF CONCRETE TO BE USED FOR THRUST BLOCK.
3. CONCRETE SHALL NOT COVER FITTING JOINTS.
4. ALL OTHER THRUST BLOCKS SHALL CONFORM TO WA-3 (THRUST BLOCKS).

IRRIGATION THRUST BLOCKS



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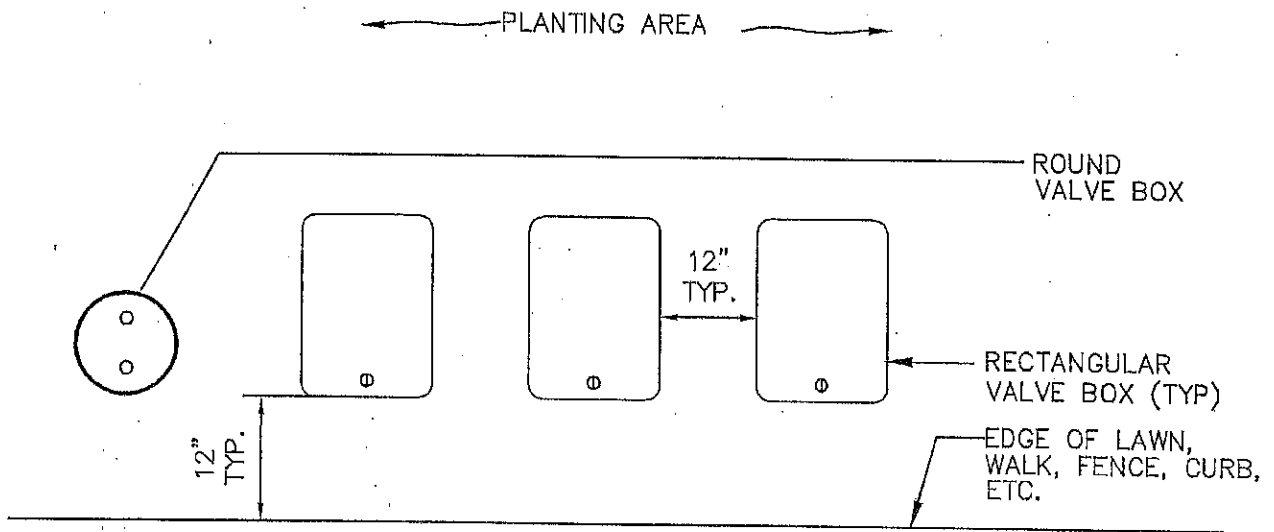
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PLAN

- NOTES: 1. CENTER BOXES OVER VALVES.
 2. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
 3. AVOID HEAVILY COMPACTING SOIL AROUND BOXES TO PREVENT DAMAGING VALVE BOXES.

VALVE BOX LAYOUT

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