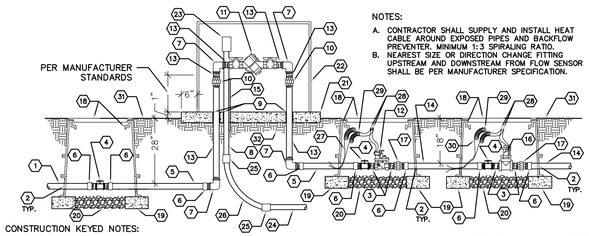


NOTES:

A. CONTRACTOR SHALL SUPPLY AND INSTALL HEAT CABLE AROUND EXPOSED PIPES AND BACKFLOW PREVENTER. MINIMUM 1:3 SPIRALING RATIO.
B. NEAREST SIZE OR DIRECTION CHANGE FITTING UPSTREAM AND DOWNSTREAM FROM FLOW SENSOR SHALL BE PER MANUFACTURER SPECIFICATION.

CONSTRUCTION KEYED NOTES:

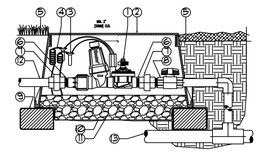
1. MAINLINE FROM METER
2. DRILLED HOLE THROUGH VALVE BOX EXTENSION. DIAMETER SHALL BE 1/2" LARGER THAN PIPE
3. SCH. 80 PVC NIPPLE
4. SCH. 80 PVC TRUE UNION BALL VALVE
5. CONSTANT PRESSURE IRRIGATION MAINLINE
6. SCH. 80 TOE NIPPLE WITH SLIP COUPLER
7. GALVANIZED ELL
8. RIGID ELECTRICAL CONDUIT SECURED TO UNISTRUT
9. PVC SLEEVE AND INSULATION (MIN. 1" THICK)
10. GALVANIZED UNION (MIN. 4" ABOVE CONCRETE SLAB)
11. REDUCED PRESSURE BACKFLOW PREVENTION DEVICE–SEE IRRIGATION LEGEND
12. AUTOMATIC MASTER VALVE – SEE IRRIGATION LEGEND
13. GALVANIZED NIPPLE
14. NON–CONSTANT PRESSURE IRRIGATION MAINLINE
15. UNISTRUT BRACING MINIMUM 2" CLEARANCE FROM ANY EQUIPMENT OR PIPING
16. FLOW SENSOR – SEE IRRIGATION LEGEND
17. SCH. 80 PVC UNION
18. 17"X30" VALVE BOX WITH T–STYLE BOLT DOWN COVER AND EXTENSIONS AS REQUIRED – SEE IRRIGATION LEGEND
19. 4"x 8"x 16" SOLID CMU BLOCK, EIGHT PER VALVE BOX
20. 6" DEPTH OF 1" DIAMETER WASHED GRAVEL,MINIMUM 2" CLEARANCE FROM BOTTOM OF ANY EQUIPMENT OR PIPING
21. 4" 3000 PSI CONCRETE SLAB
22. PROTECTIVE ENCLOSURE–SEE IRRIGATION LEGEND. INSTALL PER MANUFACTURERS INSTRUCTIONS
23. 110V ELECTRICAL GFI OUTLET FOR HEAT CABLE. PLACE AWAY FROM RELIEF VALVE
24. GRAY ELECTRICAL CONDUIT – DEPTH OF BURY SHALL BE 36"
25. WATER TIGHT CONNECTOR
26. GRAY ELECTRICAL SWEEP ELL
27. MASTER VALVE CONTROL WIRE
28. WATERPROOF WIRE CONNECTOR
29. 36" LENGTH WIRE EXPANSION LOOP
30. FLOW SENSOR COMMUNICATION WIRE
31. FINISH GRADE
32. 95% COMPACTED SUBGRADE

MASTER VALVE WITH RPBA

N.T.S.

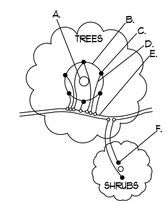
LEGEND

1. HUNTER REMOTE CONTROL VALVE (ICZ) WITH FILTER REGULATOR
2. IRRIGATION VALVE BOX: HEAT STAMP LID WITH "ICV" IN 2" LETTERS
3. WATERPROOF CONNECTORS (2)
4. 18"-24" COILED WIRE TO CONTROLLER
5. FINISH GRADE AT ADJACENT SURFACE (TURF OR MULCH)
6. SCH. 80 CLOSE NIPPLE, MATCH SIZE TO VALVE
7. PVC SLIP X FPT UNION
8. ISOLATION VALVE, SIZE AND TYPE PER PLAN
9. BRICK SUPPORTS (4)
10. FILTER FABRIC - WRAP TWICE AROUND BRICK SUPPORTS
11. 3/4" WASHED GRAVEL - 4" MIN. DEPTH
12. IRRIGATION LATERAL
13. MAINLINE LATERAL AND FITTINGS



DRIP CONTROL ZONE KIT (ICZ-101-LF) WITH UNIONS AND ISOLATION VALVE

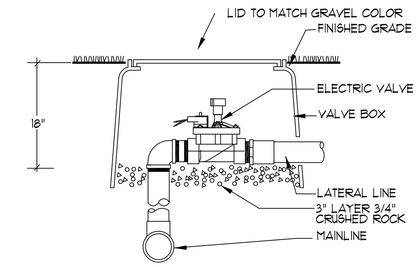
N.T.S.



A. TREE TRUNK/ROOT CROWN
B. 24" CIRCLE FROM TRUNK
C. EMITTERS
D. 1/8" DISTRIBUTION LINE
E. PE DRIPLINE
F. EMITTER PLACED WITHIN 6" OF PLANT STEM
NOTE: PLACE EMITTER ABOVE PLANT ON SLOPE

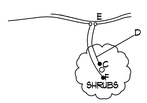
EMITTER PLACEMENT DETAIL

N.T.S.



ELECTRIC VALVE ASSEMBLY

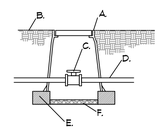
N.T.S.



C. EMITTERS
D. 1/8" DISTRIBUTION LINE
E. PE DRIPLINE
F. EMITTER PLACED WITHIN 6" OF PLANT STEM
NOTE: PLACE EMITTER ABOVE PLANT ON SLOPE

SHRUB EMITTER PLACEMENT DTl

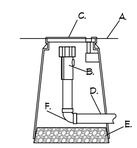
N.T.S.



A. NDS 6" ROUND BOX
B. FINISH GRADE
C. SPEARS SCH.80 BALL VALVE SIZE TO MAINLINE
D. MAINLINE/24" BURY
E. 8"x8"x16" CMU CONCRETE BLOCK
F. 4" LAYER OF 3/4" GRAVEL

ISOLATION VALVE DETAIL

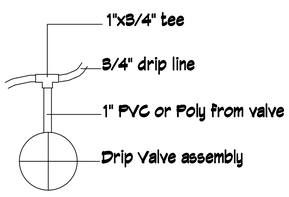
N.T.S.



A. FINISH GRADE
B. END FLUSH CAP
C. 6" ROUND BOX WITH LID
D. 3/4" POLY DRIP PIPE
E. 2" DEPTH OF GRAVEL
F. 90° PVC FITTING

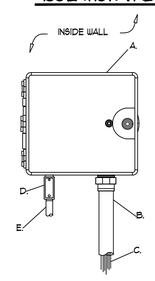
END FLUSH CAP

N.T.S.



DRIP VALVE DETAIL

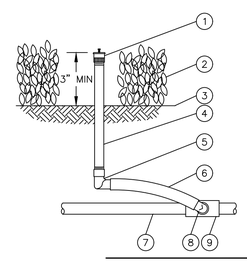
N.T.S.



A. WALL MOUNT CONTROLLER
B. 2" PVC SCH 40 CONDUIT AND FITTINGS
C. WIRES TO REMOTE CONTROL VALVES
D. JUNCTION BOX
E. 1" PVC SCH 40 CONDUIT AND FITTINGS TO POWER SUPPLY

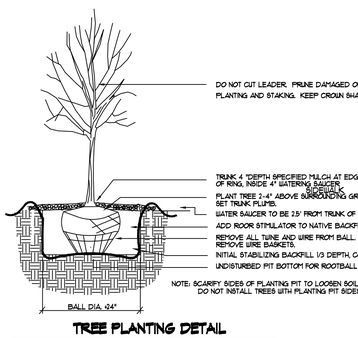
WALL MOUNTED AUTOMATIC CONTROLLER

N.T.S.



1. ADJUSTABLE FULL CIRCLE BUBBLER: RAIN BIRD 1300A–F
2. PLANT MATERIAL
3. FINISH GRADE/TOP OF MULCH
4. UV RADIATION RESISTANT 1/2–INCH PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
5. 1/2–INCH FEMALE NPT x 0.490–INCH BARB ELBOW: RAIN BIRD MODEL SBFE–050
6. SWING PIPE, 12–INCH LENGTH: RAIN BIRD MODEL SP–100
7. PVC LATERAL PIPE
8. 1/2–INCH MALE NPT x .490–INCH BARB ELBOW: RAIN BIRD MODEL SBE–050
9. SCH 40 TEE OR ELL

BUBBLER DETAIL

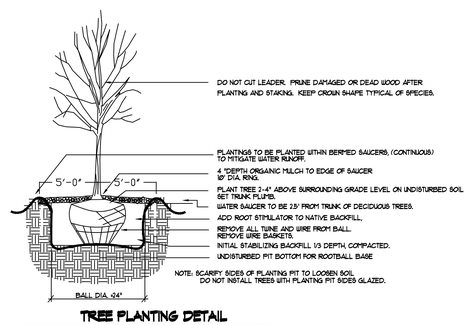


NOTE: SCARIFY SIDES OF PLANTING PIT TO LOOSEN SOIL
DO NOT INSTALL TREES WITH PLANTING PIT SIDES GLAZED.

TREE PLANTING DETAIL

STREET TREES

N.T.S.

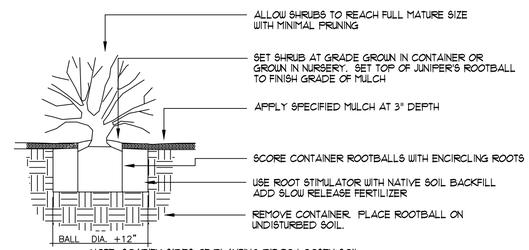


NOTE: SCARIFY SIDES OF PLANTING PIT TO LOOSEN SOIL
DO NOT INSTALL TREES WITH PLANTING PIT SIDES GLAZED.

TREE PLANTING DETAIL

NON STREET TREES

N.T.S.



NOTE: SCARIFY SIDES OF PLANTING PIT TO LOOSEN SOIL
DO NOT INSTALL SHRUBS WITH PLANTING PIT SIDES GLAZED.

SHRUB PLANTING DETAIL

N.T.S.

NO.	DATE	DESCRIPTION	dk	AGENCY
1	3/10/2025	ISSUED FOR CONSTRUCTION		

Landscape Architect

STATE OF NEW MEXICO
DANNY D. MITCHELL
239
REGISTERED LANDSCAPE ARCHITECT
3/13/2025

PUBLIC SERVICE COMPANY OF NEW MEXICO
SANDIA BESS SITE
LANDSCAPE DETAILS
CONSTRUCTION DOCUMENTS
APN 1-021-055-162-512-2-06-67

CITY OF ALBUQUERQUE NEW MEXICO

Mitchell Associates, inc
L A N D S C A P E A R C H I T E C T U R E
Danny Mitchell
505.659.5953
danny@mitchellassociatesinc.com

3/13/2025

SCALE:
HORZ. 1"=40'
VERT. N/A

DESIGNED BY: DM

REVIEWED BY: DM

LS-103

Project Number: 2024-030