

- ① STRUCTURE COVER TYPE "A" (SEE STRUCTURE COVER DETAIL-RWCD 14 AND 15)
- ② STRUCTURE COVER TYPE "B" (SEE STRUCTURE COVER DETAIL-RWCD 14 AND 16)
- ③ STRUCTURE COVER TYPE "C" (SEE STRUCTURE COVER DETAIL-RWCD 14 AND 17)
- ④ #4 REINFORCEMENT BARS CENTERED IN THE WALL AT 12" O.C.
- ⑤ #5 REINFORCEMENT BARS CENTERED IN THE WALL AT 12" O.C.
- ⑥ #4 REINFORCEMENT BARS AT 8" O.C. WITH MINIMUM CLEAR COVER OF 2"
- ⑦ #4 REINFORCEMENT BARS THROUGH WALKWAY WITH MINIMUM CLEAR COVER OF 2", BENT AND TIED INTO SIDE WALLS, 24" MIN.
- ⑧ 5/8" x 3" GALVANIZED ANCHOR BOLT EMBEDDED IN CONCRETE WITH 5/8" FENDER WASHER AND NUT (SEE STRUCTURE COVER DETAIL AND TRASH RACK DETAIL TO DETERMINE EXACT LOCATION)
- ⑨ 1-1/2" x 1-1/2" GROOVE IN CONCRETE FOR CHECK BOARDS
- ⑩ BOARD SEAT
- ⑪ CHECK BOARDS (TO BE SUPPLIED BY OTHERS)
- ⑫ TRASH RACK (SEE TRASH RACK DETAIL RWCD-18)
- ⑬ HANDLE (SEE STRUCTURE COVER DETAIL RWCD-14)

NOTES:

1. ALL CONCRETE FOR USE IN WORK SHALL CONFORM TO THE REQUIREMENTS OF SECTION 505 AND 725 OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, MARICOPA ASSOCIATION OF GOVERNMENTS, ARIZONA, LATEST EDITION, ACI AND ASTM CODES.
2. ALL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF SECTION 727 OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, MARICOPA ASSOCIATION OF GOVERNMENTS, ARIZONA, LATEST EDITION, ACI AND ASTM CODES.

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Roosevelt Water Conservation District

TURNOUT STRUCTURE SPECIFICATIONS

3. ALL CORNERS AND WEIR STEEL CONNECTIONS TO WALLS SHALL HAVE 24" x 24" L-BAR TIES AT 12" O.C. VERTICALLY. L-BARS TO BE SAME SIZE AS WALL STEEL.
4. ALL CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
5. ALL REINFORCEMENT SHALL BE GRADE 60 AND SHALL CONFORM WITH ASTM A-615.
6. THE TOP OF THE CONCRETE STRUCTURE SHALL BE MINIMUM 18" ABOVE PROPOSED FINISHED GRADE ELEVATION. THE BOTTOM ELEVATION OF THE STRUCTURE SHALL BE ESTABLISHED BY THE DESIGN.
7. THE PIPE OPENINGS INTO THE STRUCTURE SHALL BE SIZED TO FIT THE PROPOSED PIPE. THE PIPE INVERTS SHALL BE ESTABLISHED BY THE DESIGN.
8. THE BOARD SEAT TOP ELEVATION SHALL BE ESTABLISHED BY THE DESIGN. THE MINIMUM BOARD SEAT TOP ELEVATION SHALL BE DETERMINED AS DESCRIBED IN THE STANDARD SPECIFICATIONS.
9. TURNOUT STRUCTURES OF OTHER CONFIGURATIONS THAN SHOWN ON THE STANDARD DETAILS MAY BE DESIGNED AS A COMBINATION OF STANDARD DETAILS. ALL CHAMBER INSIDE DIMENSIONS SHALL BE AS SHOWN ON STANDARD DETAILS.
10. THE FOLLOWING ELEVATIONS SHALL BE CALLED OUT ON THE PLANS FOR ALL STRUCTURES: STRUCTURE RIM, PIPE INVERTS, BOARD SEATS AND FLOOR ELEVATIONS IN EACH CHAMBER. SEE DETAIL 2 FOR TYPICAL CALL OUT LOCATIONS.
11. TURNOUT STRUCTURE BACKFILL SPECIFICATIONS SHALL BE PER ADJACENT TRENCH BACKFILL SPECIFICATIONS EXCEPT TO PROVIDE JETTED AB OR 1/2 SACK SLURRY UP TO THE SPRINGLINE OF PIPE OR AS DIRECTED BY RWCD INSPECTOR.

LAST UPDATED: 03/06/06

## ROOSEVELT WATER CONSERVATION DISTRICT

### TURNOUT STRUCTURE SPECIFICATIONS

SHEET 2 OF 2

MINIMUM REQUIRMENTS AND NOTES

RWCD-01