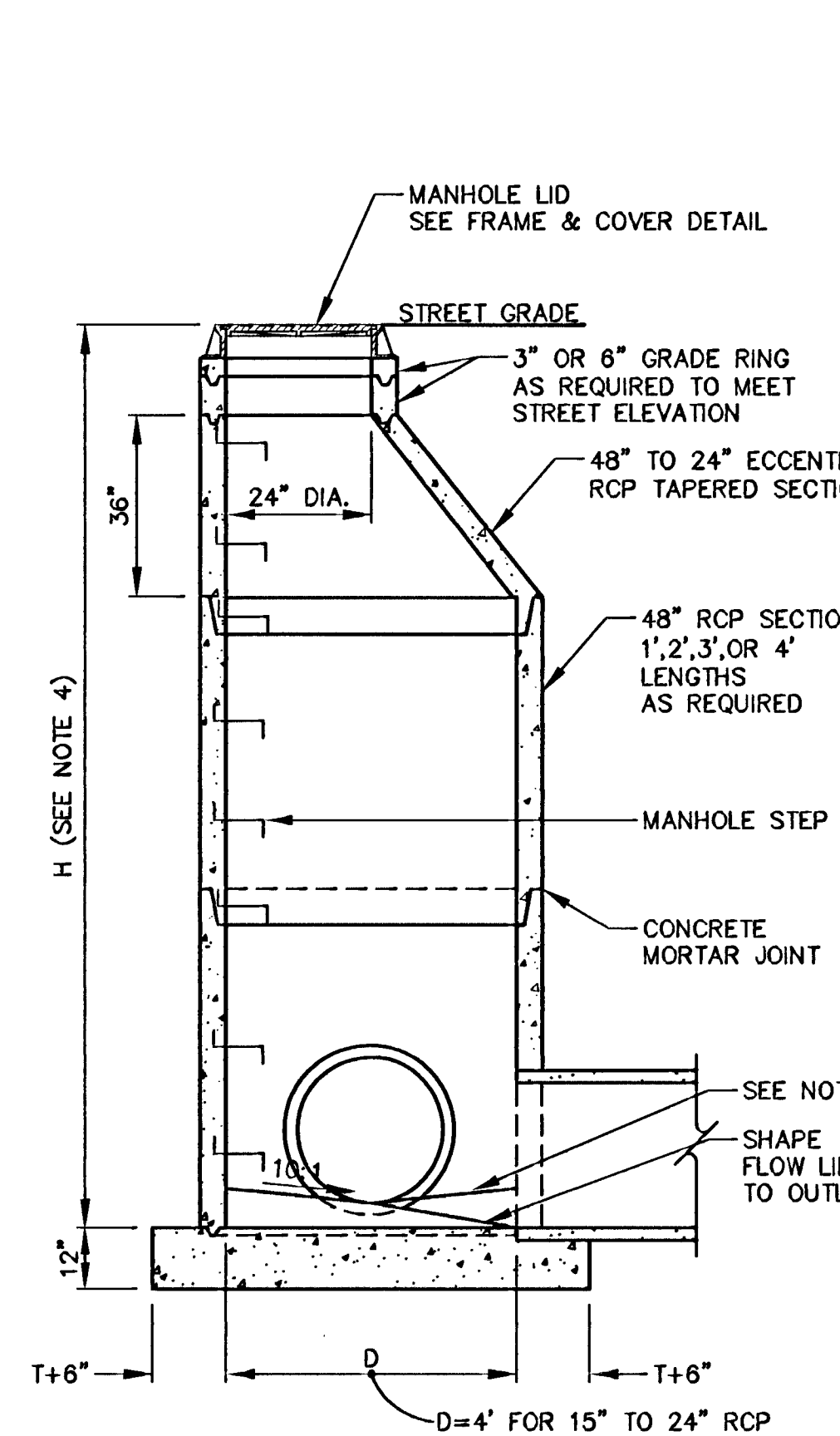
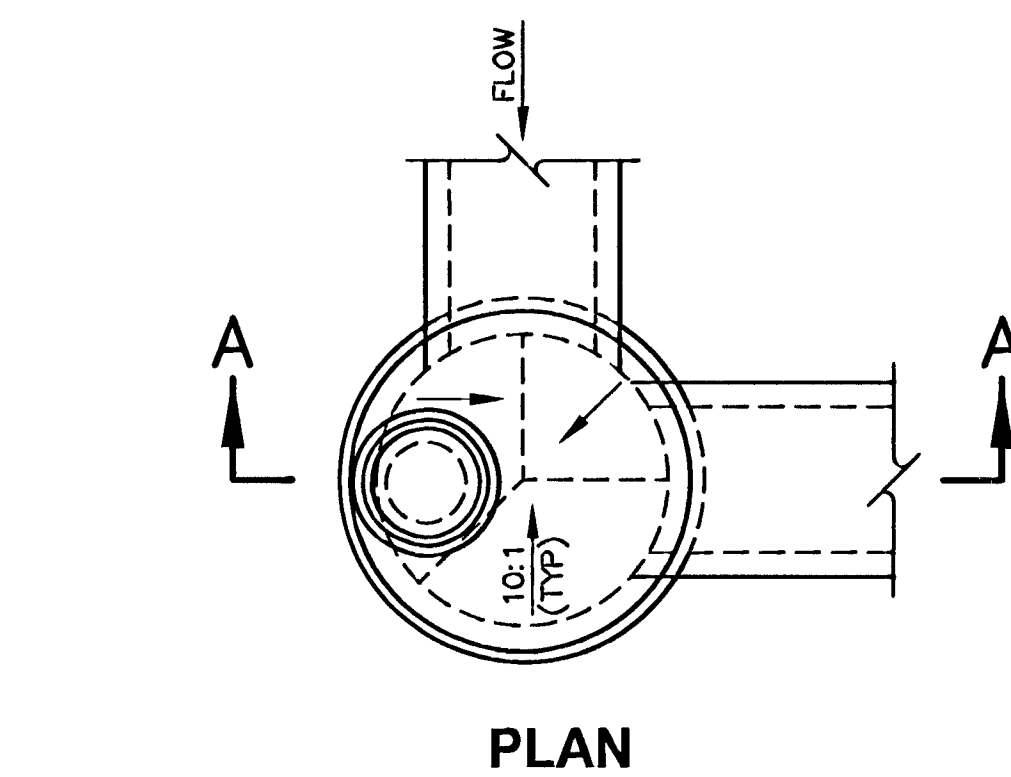
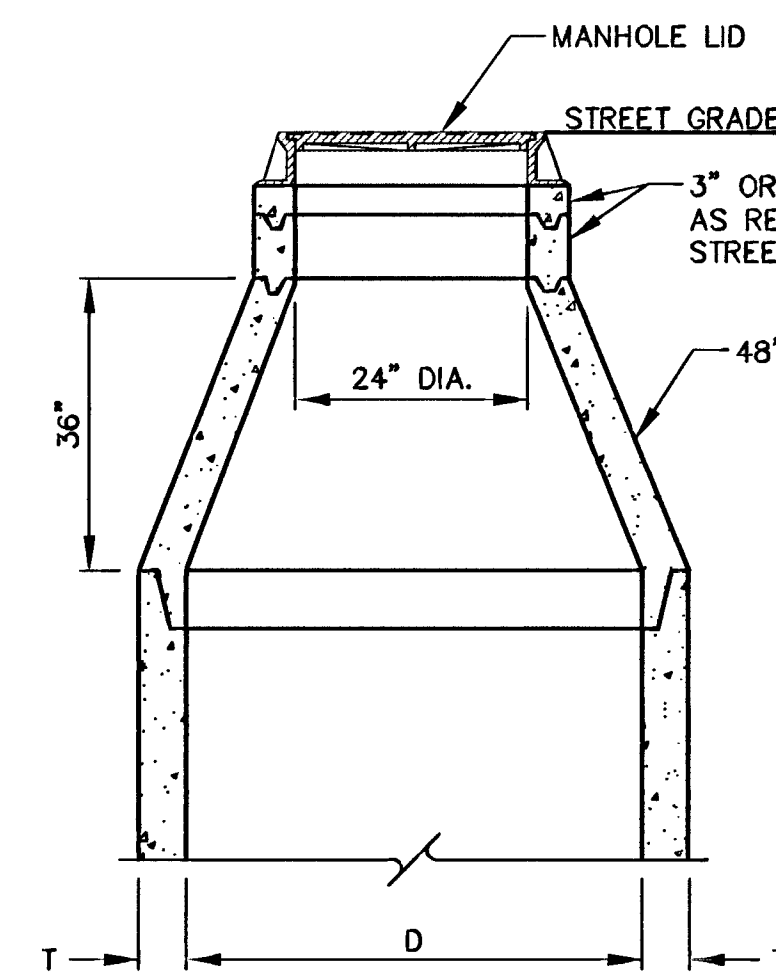
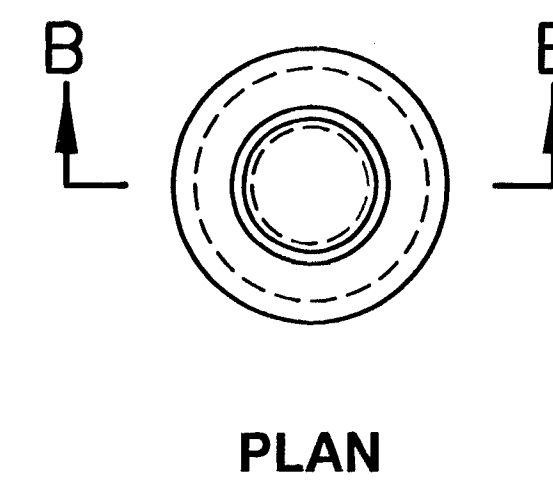
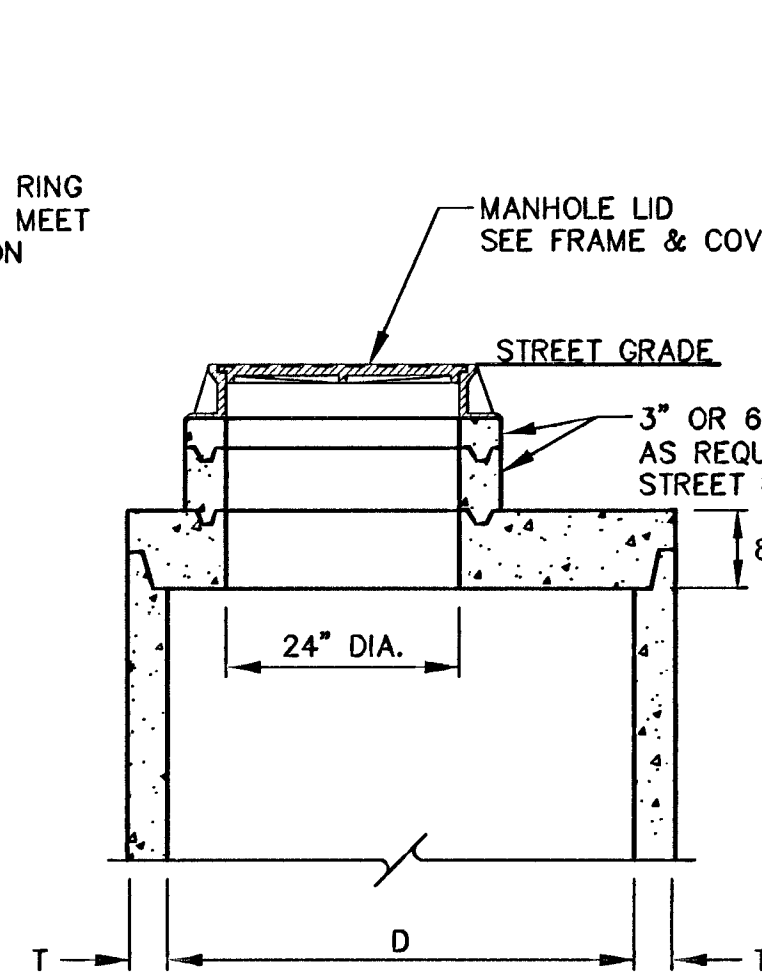
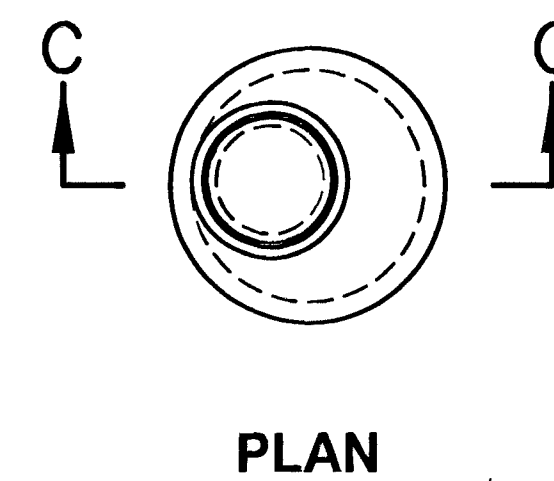




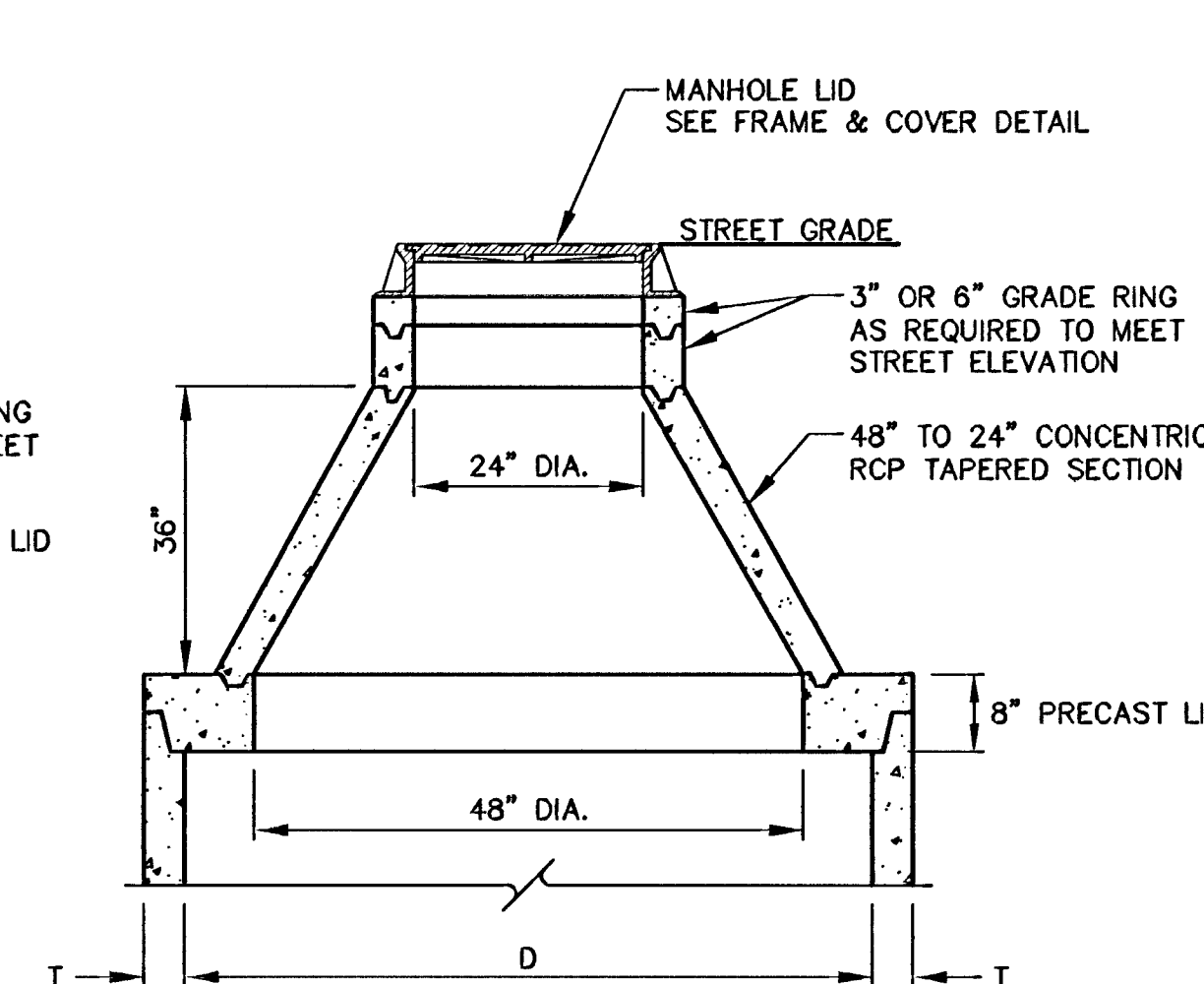
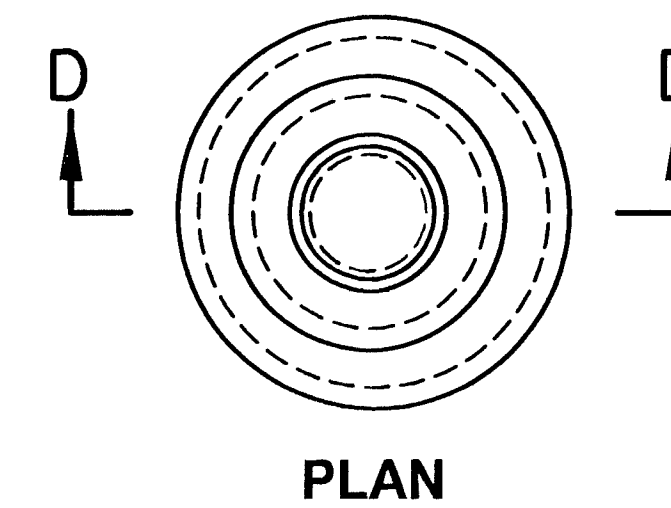
SECTION A-A
TYPE I MANHOLE
ECCENTRIC



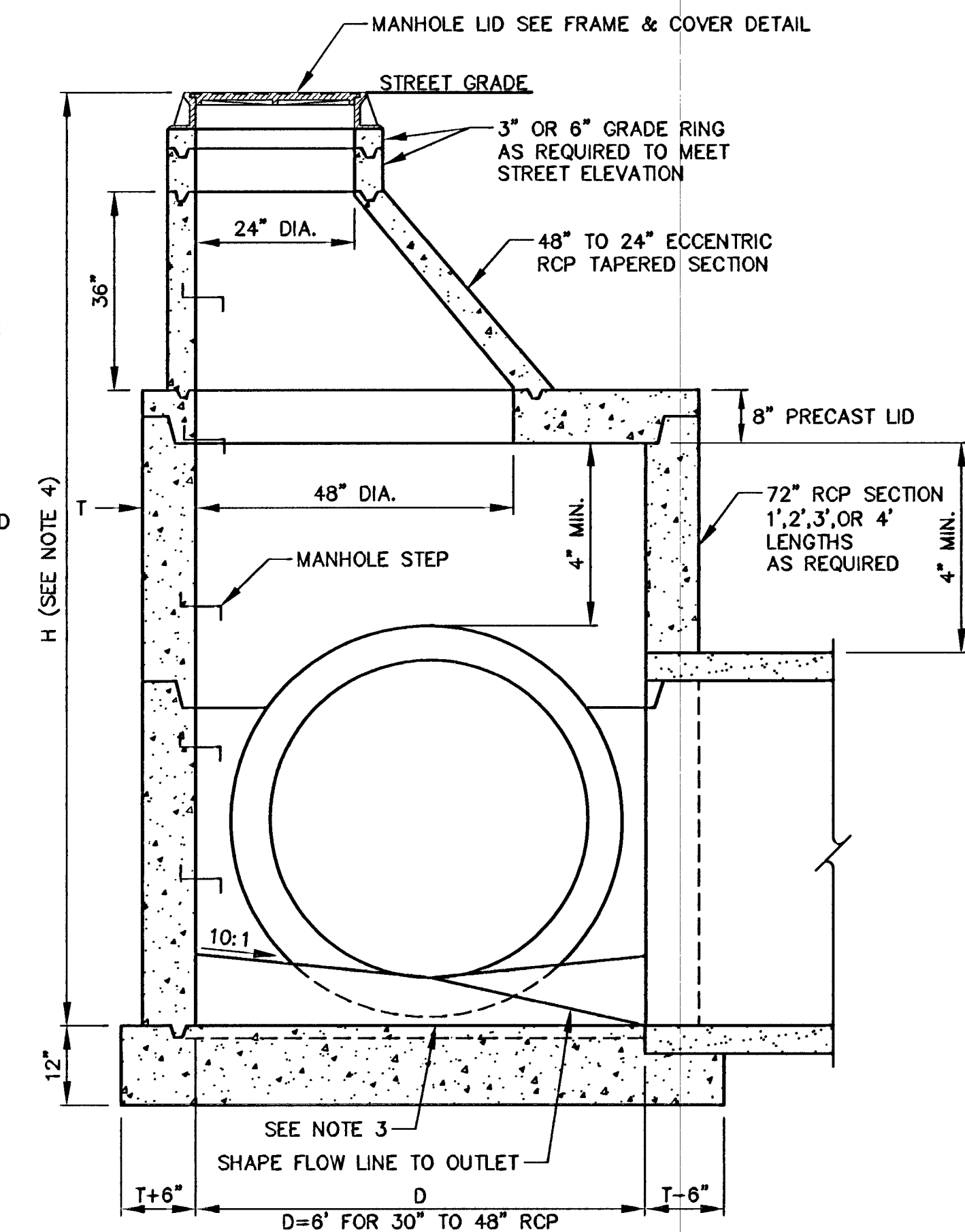
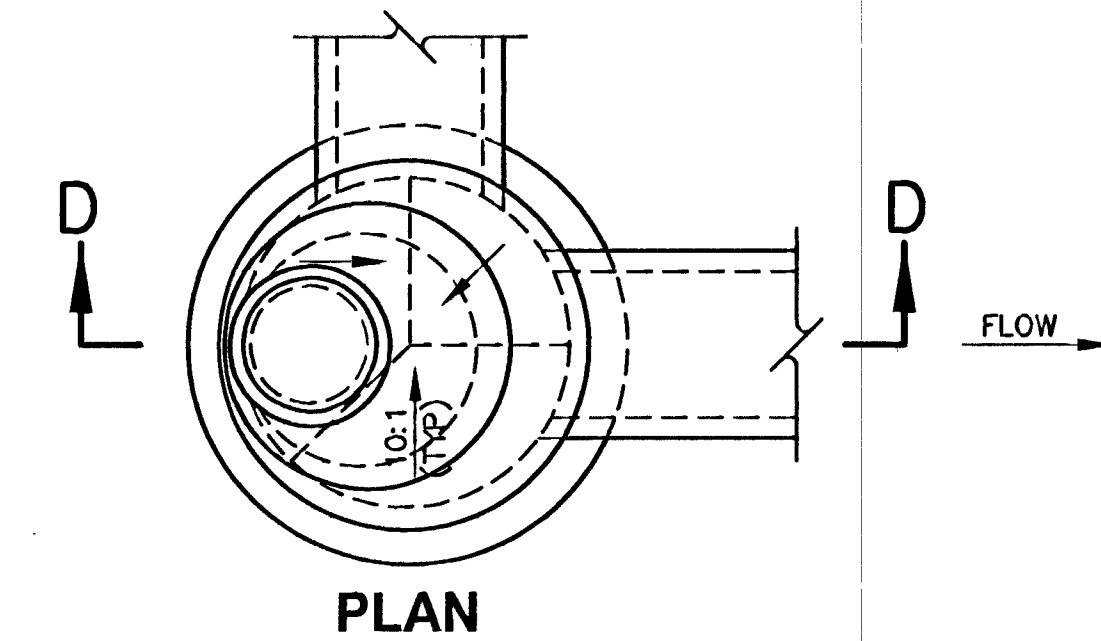
SECTION B-B
TYPE I MANHOLE
CONCENTRIC
FOR DIMENSIONS NOT SHOWN
SEE TYPE 1 MANHOLE



SECTION B-B
TYPE I & 2 MANHOLE
MODIFIED
FOR USE IN MINIMUM COVER SITUATION
WHERE TAPERED SECTION WILL NOT FIT.



SECTION D-D
TYPE I MANHOLE
CONCENTRIC
FOR DIMENSIONS NOT SHOWN
SEE TYPE 2 MANHOLE ECCENTRIC



SECTION E-E
TYPE 2 MANHOLE
ECCENTRIC

GENERAL NOTES

1. FOR CAST IN PLACE CONCRETE BASE ALL REINFORCING STEEL TO BE NO. 4 BARS AT 18" CENTERS TIGHTLY WOUND AT ALL INTERSECTIONS AND EMBEDDED IN CONCRETE AT LEAST 2" AND BAR ENDS MUST CLEAR CONCRETE SURFACES BY 1/2".
2. ALL CONCRETE SHALL BE CLASS A OR AA.
3. MANHOLE WITH MORE THAN ONE PIPE-INFLOW PIPE INVERT ELEVATIONS SHALL BE - 0.1' ABOVE OUTFLOW PIPE ELEVATION.
4. FOR VALUES OF "H" SEE PLANS. "H" IS THE DIFFERENCE IN ELEVATION BETWEEN THE OUTFLOW PIPE INVERT ELEVATION AND THE TOP OF MANHOLE ELEVATION AT STREET GRADE.
5. DO NOT PLACE PIPES IN TAPERED SECTION.
6. MANHOLE COVER SHALL BEAR ENTITY IDENTIFICATION AND SYSTEM FUNCTION (IF APPLICABLE).
7. PRECAST CONCRETE PIPE SECTIONS, TAPERED SECTIONS, LIDS, GRADE RINGS, AND STEPS SHALL CONFORM TO AASHTO M 199 (ASTM C-478).
8. SHAPE FLOW LINE IN MANHOLE TO OUTLET PIPE, AND PROVIDE A 10:1 MINIMUM SLOPE FROM ALL DIRECTIONS TOWARD FLOW LINE.
9. T = PIPE WALL THICKNESS.

AVOID OVERHEAD POWER LINE CONTACT
IT'S COSTLY.

Call before you Dig

1-702-227-2929

NEVADA POWER ENVIRONMENT AND
SAFETY SERVICES DEPARTMENT

Call before you Dig
Avoid cutting underground
utility lines. It's costly.

Call 811

OR
1-800-227-2800

USE
CLEAR COUNTY TRAFFIC ADVISORS
1-702-455-7544

DEPARTMENT OF PUBLIC WORKS 400 E. STEWART AVE. LAS VEGAS, NEVADA 89146-8601 702-228-6272 WWW.VNIN.VG			
NDOT STD. DWG. NO. R-4.3.1 NDOT TYPE 1 & 2 AND TYPE 1 & 2 MODIFIED MANHOLES	2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-3148 702-228-6272 FAX 702-362-2597 WEB SITE WWW.VNIN.VG	2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-3148 702-228-6272 FAX 702-362-2597 WEB SITE WWW.VNIN.VG	REVISION BY DATE REV
MEADOWS ALTA PARALLEL PROJECT PHASE II	2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-3148 702-228-6272 FAX 702-362-2597 WEB SITE WWW.VNIN.VG	2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-3148 702-228-6272 FAX 702-362-2597 WEB SITE WWW.VNIN.VG	REVISION BY DATE REV
DRAWN BY: MSJ DESIGNED BY: NDOT CHECKED BY: NDOT PROJECT NO: 6812 SCALE: NONE DATE: NOV 10, 2008	NOV 10, 2008 NOV 10, 2008 NOV 10, 2008 NOV 10, 2008 NOV 10, 2008	NOV 10, 2008 NOV 10, 2008 NOV 10, 2008 NOV 10, 2008 NOV 10, 2008	REVISION BY DATE REV
SHEET D12 91 OF 120 SHEETS DRAWING NO. 327V281	SHEET D12 91 OF 120 SHEETS DRAWING NO. 327V281	SHEET D12 91 OF 120 SHEETS DRAWING NO. 327V281	REVISION BY DATE REV