1. RING AND COVER TO BE MACHINED TO A TRUE 25" AND A TRUE BEARING ALL AROUND.
2. CASTINGS TO BE: D&L FOUNDRY AND SUPPLY MODEL A-2107, EAST JORDAN IRONWORKS CATALOG #260385 OR APPROVED EQUAL. MANHOLE COVER TO BE BAS-RELIEF CASTING, PAINTINGS AND COATINGS SHALL NOT BE ACCEPTABLE.
3. MINIMUM TOTAL WEIGHT OF RING AND COVER IS 275 LBS.
SECTION A–A
DROP MANHOLE & JUNCTION
FOR 8" TO 36" PIPE

SECTION X–X
SINGLE LINE DROP MANHOLE
FOR 8" PIPE

SECTION B–B
CONSTRUCTION NOTES:
1. Manhole rings and base shall be precast per the applicable section of A.P.W.A., Division 306.
2. Manhole couplings are to be the same size and material as the pipe in the adjacent trench and installed with water stop and stainless steel bands at the time of fabrication.
3. Pipe stubouts for future sewer connection shall be sealed with the appropriate water tight plug.

SECTION Y–Y
**LID DETAIL**

**LAMPHOLE RISER DETAIL**

**CONSTRUCTION NOTES**

1. CASTINGS SHALL BE OLYMPIC FOUNDRY INC. OR EQUAL.
2. POURED IN PLACE CONCRETE COLLAR ON COMPACTED FILL IN AREA OUTSIDE THE PAVED AREAS.
3. SEE DRWG. 8-235 FOR PLACEMENT IN PAVED AREAS.
4. TRACER WIRE AND LOCATION TAPE IS REQUIRED ON NEW CONSTRUCTION.
5. COVERS FOR LAMPHOLES TO BE DESIGNATED "LAMPHOLE" OR "LH".

**TOP VIEW**

**CITY OF KLAMATH FALLS**

STANDARD LAMPHOLE RISER

Drawn By: GDG  
Date: 1/2002  
Drwg. No.: 5-110  

Approved By: Mike Kuenzi

1 6/04 2nd EDITION
CONSTRUCTION NOTES:
1. CONTRACTOR TO INSTALL 20' LENGTH OF PIPE WITH PLUG @ 2% SLOPE.
CONSTRUCTION NOTES:
1. 6" of 3/4"-0 AGGREGATE UNDER PIPE FOR BEDDING. 12" of 3/4"-0 AGGREGATE FOR PIPE COVER FROM CONNECTION TO RIGHT-OF-WAY LINE. SEE DRAWING NO. 2-105 FOR TYPICAL TRENCH SECTION.
2. TRACER WIRE (14 AWG, SINGLE STRAND W/ GREEN INSULATION) SHALL BE PLACED ON TOP OF PIPE ZONE.
3. SERVICE LATERAL SHALL CONNECT TO A MANUFACTURED SEWER WYE OR PROPERLY INSTALLED SADDLE WHEN WYE IS NOT AVAILABLE. NEW CONNECTION SHALL BE DEFLECTED 45° FROM UPSTREAM SIDE OF FLOWLINE. CONNECTIONS SHALL BE MADE AT THE SIDE OF THE PIPE. NO TOPSIDE CONNECTIONS WILL BE PERMITTED.
4. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THE CONNECTION TO THE MAIN.
5. 3" OR 4" ABS OR PVC IS ACCEPTABLE FOR RESIDENTIAL SERVICE UP TO THE CITY CLEANOUT AT THE PROPERTY LINE. FROM CLEANOUT TO CITY SEWER MAIN, USE 4" ABS OR PVC.
6. CASTING SHALL BE OLYMPIC FOUNDRY INC OR EQUAL.
7. CONCRETE COLLAR SHALL BE CONSTRUCTED OF CLASS 4000 CONCRETE HAVING A MINIMUM CEMENT CONTENT OF 6 SACKS PER C.Y. (SEE STD. DWG. B-100 FOR CONCRETE SPECIFICATIONS.
8. CONTRACTOR MUST HAVE APPROVED SITE CONSTRUCTION PERMIT PRIOR TO STARTING WORK WITHIN CITY RIGHT-OF-WAY.
9. SEWER SYSTEM DEVELOPMENT CHARGE MUST BE PAID PRIOR TO APPLYING FOR SITE CONSTRUCTION PERMIT (COMMERCIAL DEVELOPMENT ONLY). 
10. CONTRACTOR SHALL BE RESPONSIBLE FOR A ONE YEAR WARRANTY ON HIS OWN AND SUBCONTRACTOR WORK PERFORMED WITHIN THE PUBLIC RIGHT-OF-WAY.
11. TRACER WIRE SHALL BE EXTENDED 24" ABOVE FINISHED SURFACE AND LEFT COILED UNDER CLEAN-OUT LID.
12. FOR CONNECTION TO SEWER PIPE, WITH NO EXISTING WYE, USE ROMAC STYLE "CB" SEWER SADDLE. ("TAP" ALLOWED ON ROMAC)
13. THE SURFACE OF THE CONCRETE COLLAR SHALL HAVE A LEVELED BROOM FINISH AND A LIQUID MEMBRANE-FORMING COMPOUND APPLIED.
14. COVERS FOR CLEANOUTS TO BE DESIGNATED "CLEANOUT" OR "CO".
15. CLEAN-OUT AND LATERAL TO BE INSTALLED AT THE COST OF DEVELOPER/CONTRACTOR.
16. NO "TAP" WILL BE ALLOWED ON PVC PIPE.