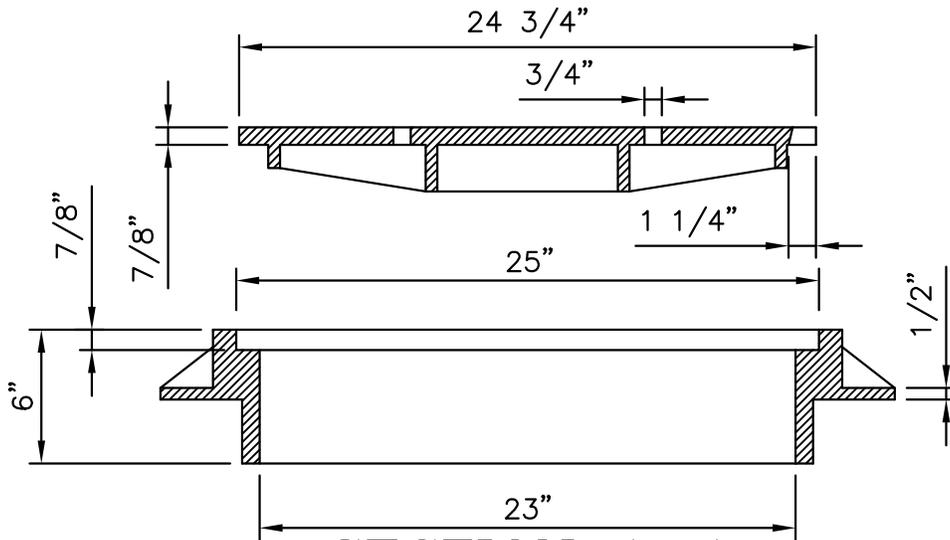


TOP VIEW



SECTION A-A

NOTES:

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 #2603B5 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.

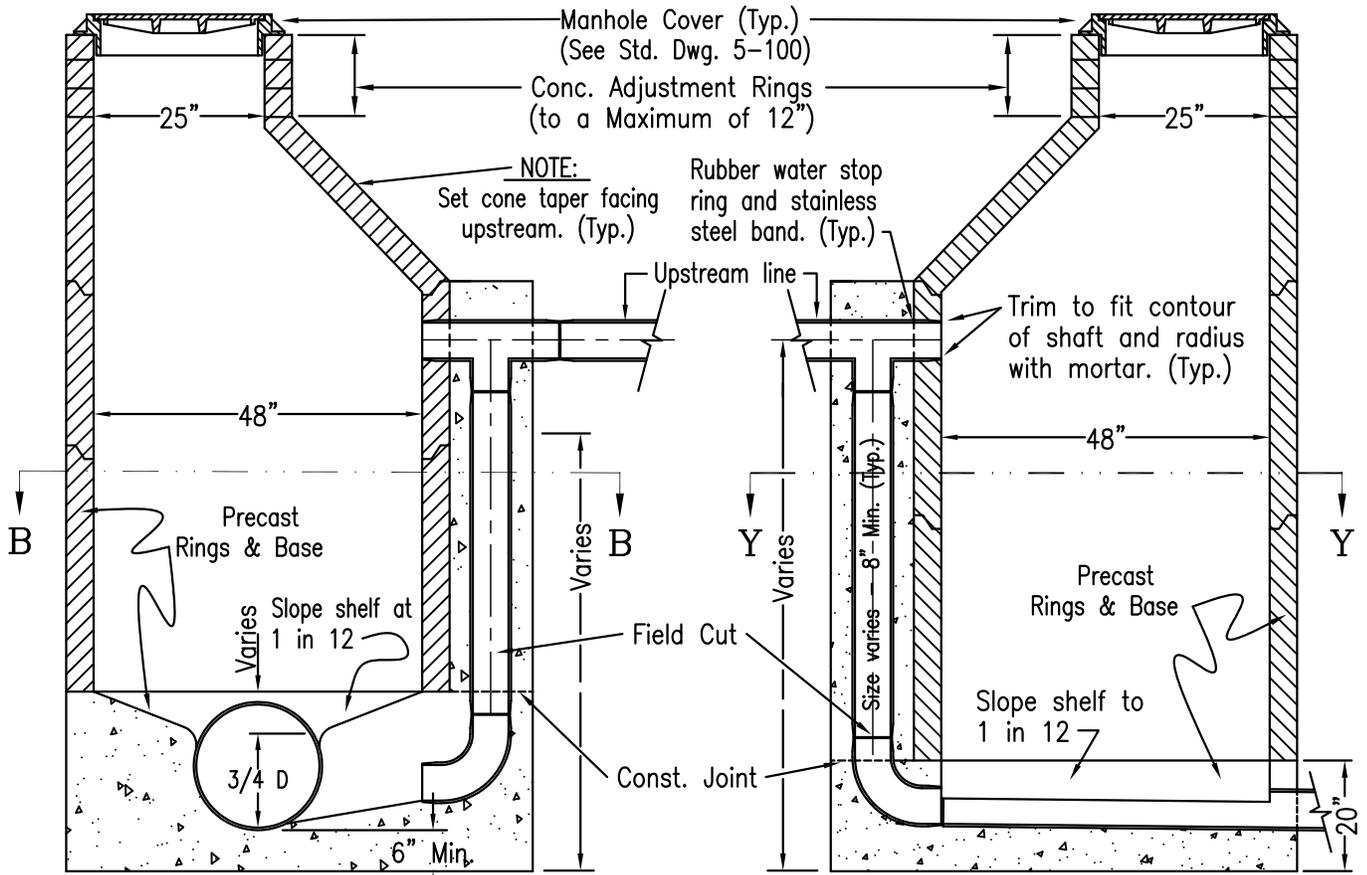
CITY OF KLAMATH FALLS

MK	Date	Revision:
2	6/06	4th EDITION
1	6/05	3rd EDITION

WASTEWATER SYSTEM
STANDARD MANHOLE FRAME & COVER

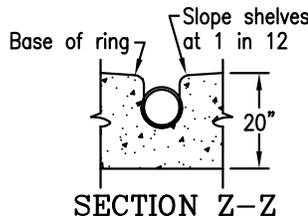
Approved By: Mark Willrett

Drwn. By: GDG
Date: 1/2002
Drwg. No.: **5-100**

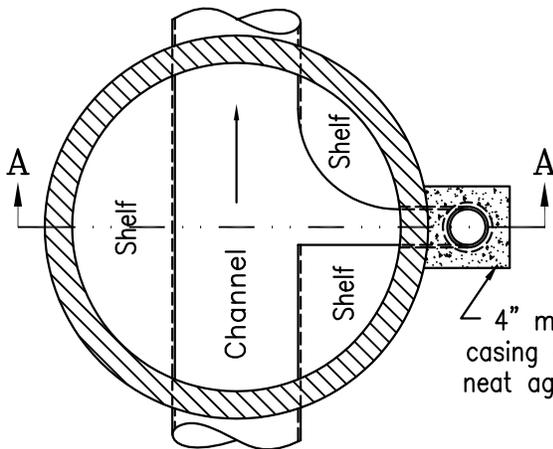


SECTION A-A
DROP MANHOLE & JUNCTION
 FOR 8" TO 36" PIPE

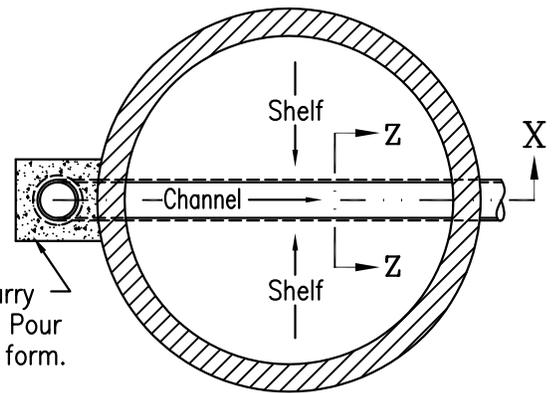
SECTION X-X
SINGLE LINE DROP MANHOLE
 FOR 8" PIPE



SECTION Z-Z



SECTION B-B



SECTION Y-Y

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.

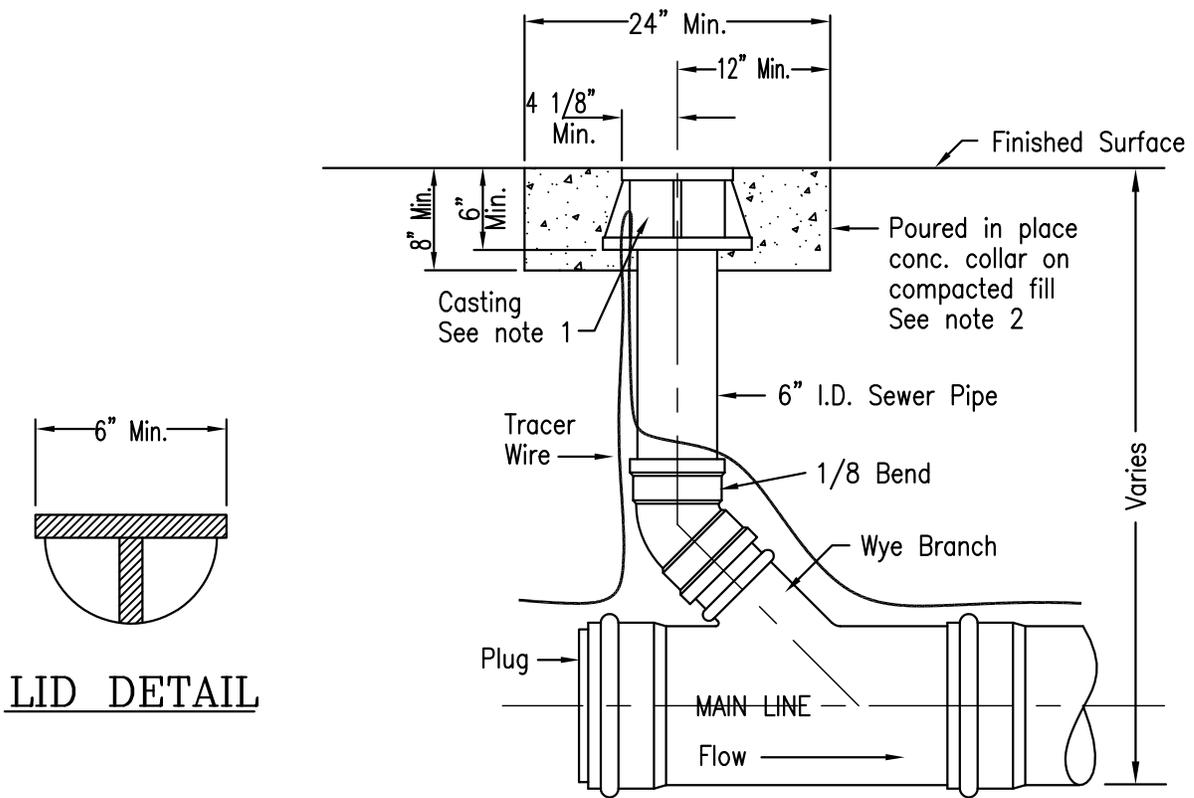
CITY OF KLAMATH FALLS

MK	Date	Revision:
1	3/10	5th EDITION

DROP MANHOLES
SINGLE LINE & JUNCTION

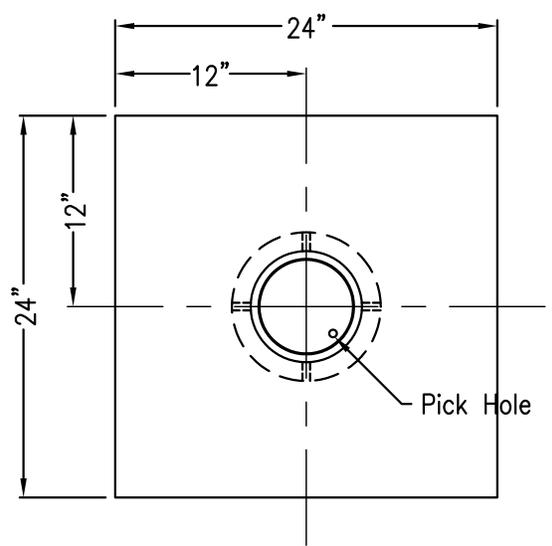
Approved By: Don Wilcox

Drwn. By: GDG
 Date: 1/2002
 Drwg. No.: **5-105**



LID DETAIL

LAMPHOLE RISER DETAIL
NTS



TOP VIEW
NTS

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".

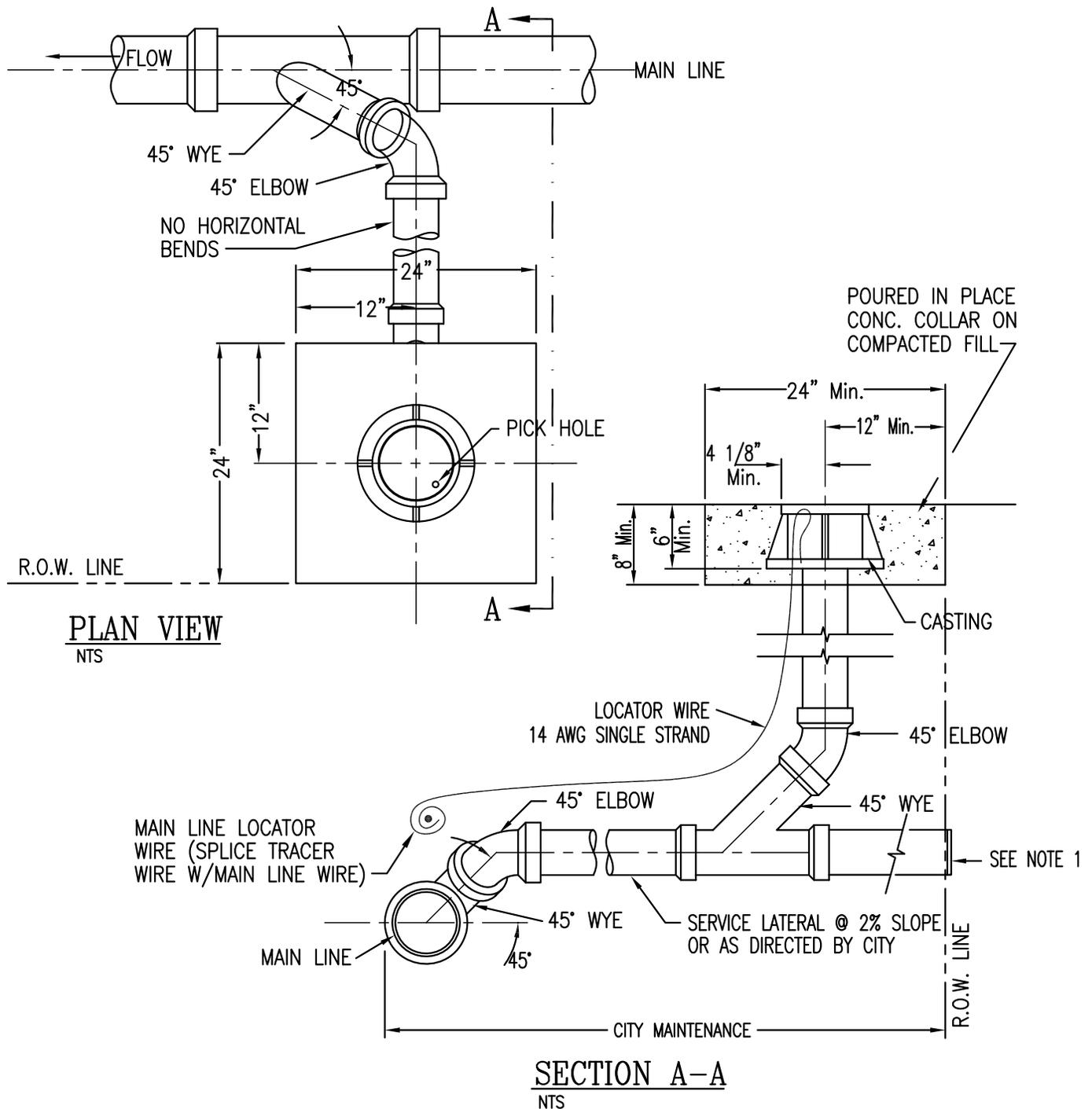
CITY OF KLAMATH FALLS

MK	Date	Revision:
1	6/04	2nd EDITION

STANDARD LAMPHOLE RISER

Approved By: Mike Kuenzi

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



CONSTRUCTION NOTES:

1. CONTRACTOR TO INSTALL 20' LENGTH OF PIPE WITH PLUG @ 2% SLOPE.

CITY OF KLAMATH FALLS

STANDARD WYE SERVICE LATERAL CONNECTION

Date	Revision:
2 3/10	5th EDITION
1 6/04	2nd EDITION

Approved By: Don Wilcox

Drwn. By: GDG
Date: 1/2002
Drwg. No.: **5-115**

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. 8-100 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.

CITY OF KLAMATH FALLS

	Date	Revision:	STANDARD WYE SERVICE LATERAL CONNECTION-NOTES	Drwn. By: WEM
				Date: 5/04
3	3/10	5th EDITION		Drwg. No.: 5-115a
2	6/06	4th EDITION		
1	6/04	2nd EDITION	Approved By: <u>Don Wilcox</u>	