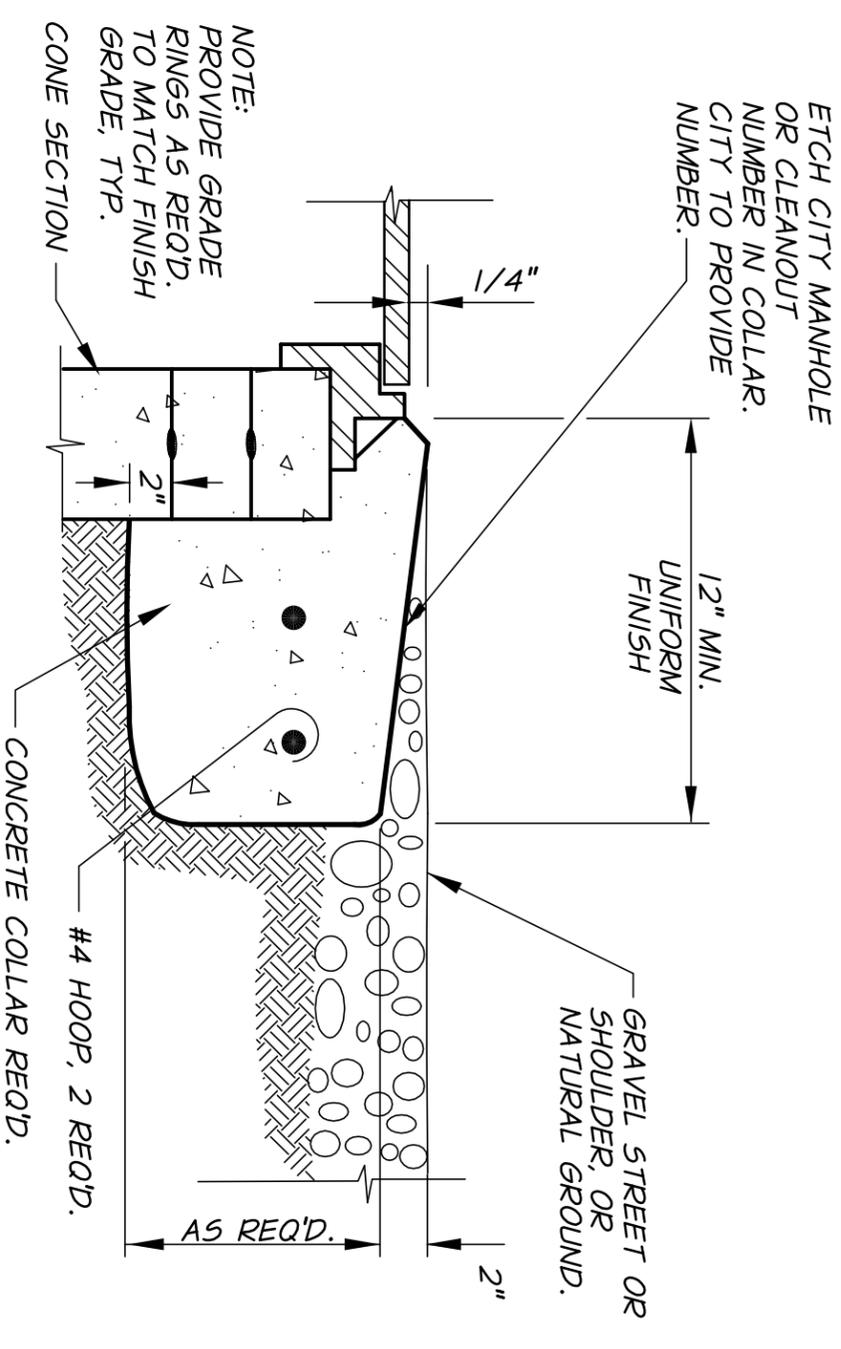


**MANHOLE AND CLEANOUT
CONCRETE COLLAR DETAIL**
IN ASPHALT PAVEMENT
N.T.S.



**MANHOLE AND CLEANOUT
CONCRETE COLLAR DETAIL**
IN GRAVEL STREETS OR NATURAL GROUND
N.T.S.

- REQUIREMENTS FOR CONCRETE COLLARS:
1. CONCRETE: 3/4", 7 SACK, 4000 PSI @ 28 DAYS, 2" TO 4" SLUMP, 4-7% AIR.
 2. COLLAR TO BE FORMED AND BE UNIFORMLY ROUND.
 3. SMOOTH BROOMED FINISH REQ'D.
 4. APPLY CONCRETE CURING COMPOUND
 5. PROTECT FROM TRAFFIC FOR 4 DAYS MIN.

REVISION	DATE
GENERAL UPDATES	12/06

**CITY OF
UNION
OREGON**

STANDARD SEWER DETAILS
MANHOLE AND CLEANOUT
CONCRETE COLLAR DETAILS

FIGURE
S5