

8" x 24" DIA. PRECAST REINFORCED CONCRETE RINGS (SET IN MORTAR BED AND BRING TO GRADE RINGS 12" MAXIMUM) FURNISH AND INSTALL INTERNAL CHIMNEY SEAL.

CONCENTRIC MANHOLE CONE (SEE CONE TRANSITION DETAIL FOR LARGER THAN 48" DIA.)

CAST IRON MANHOLE FRAME AND COVER SUITABLE FOR HEAVY TRAFFIC (SEE DETAIL)

MORTAR COATING

VARIES

6" MIN.

6" MIN.

12" MIN.

12" MIN.

12" MIN.

12" MIN.

PIPE I.D. VARIES

12" NOTCOG GRADE 4 CRUSHED STONE MAT TO BE LAID ON FIRM MATERIAL OR ROCK FOUNDATION

COUPLING WITH O-RING RUBBER GASKET WITH P.V.C. PIPE (FOR N-SEAL) OR APPROVED EQUAL.

PRECAST MANHOLE RISER SHALL BE IN ACCORDANCE WITH A.S.T.M. C-478

BASE RISER WITH "BUT END" SET IN PAU-MAK (OR APPROVED EQUAL) FLEXIBLE GASKET MATERIAL

USE O-RING RUBBER GASKETS AND PRE-FORMED JOINT SEALING COMPOUND TO FILL EXTERIOR JOINT SPACES

STUBOUT TO BE FITTED W/ STOPPER OR CAP (TYP.) W/ CONCRETE GRADE UNDER ENTIRE LENGTH.

STUBOUTS SHALL BE A MIN. OF 5' LONG

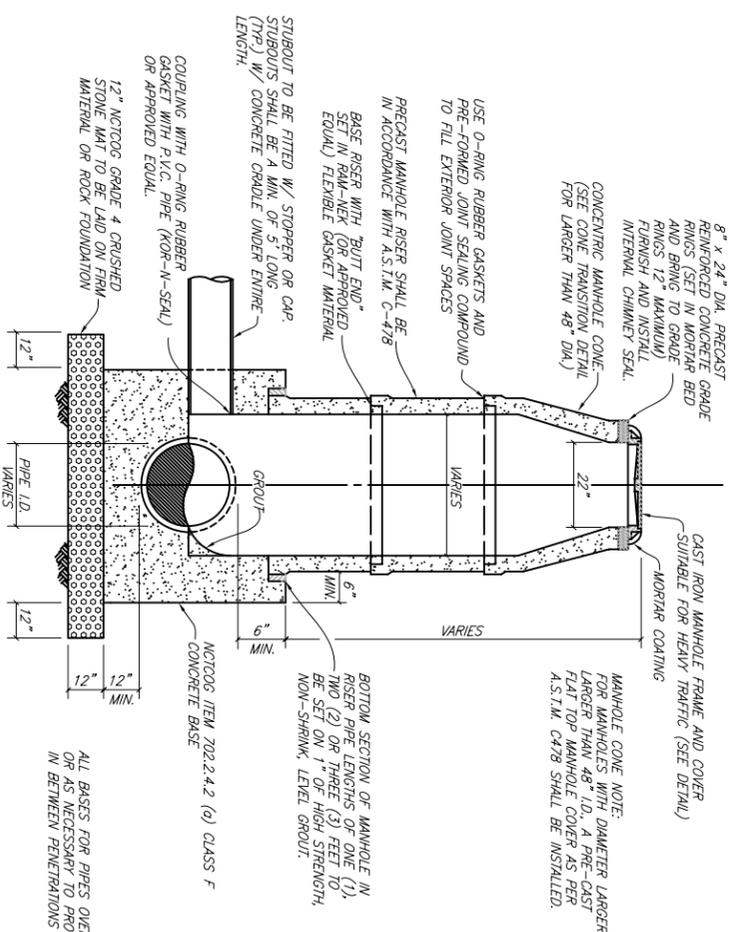
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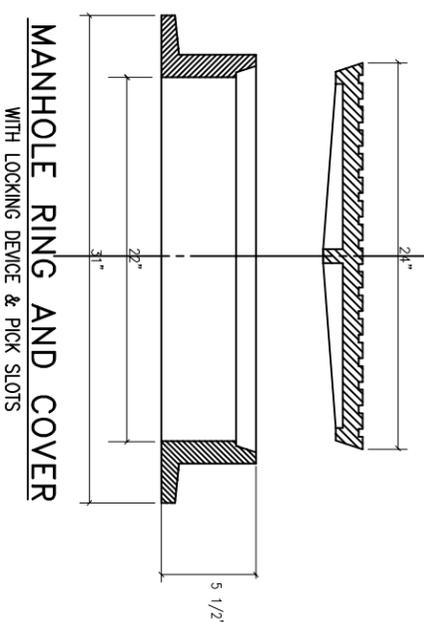
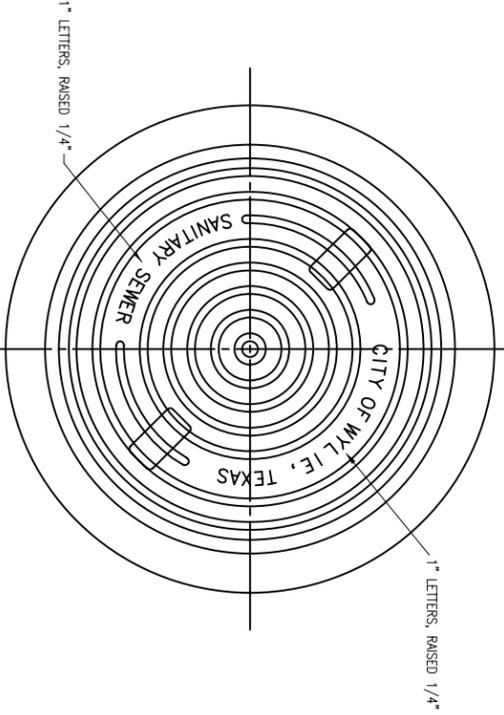
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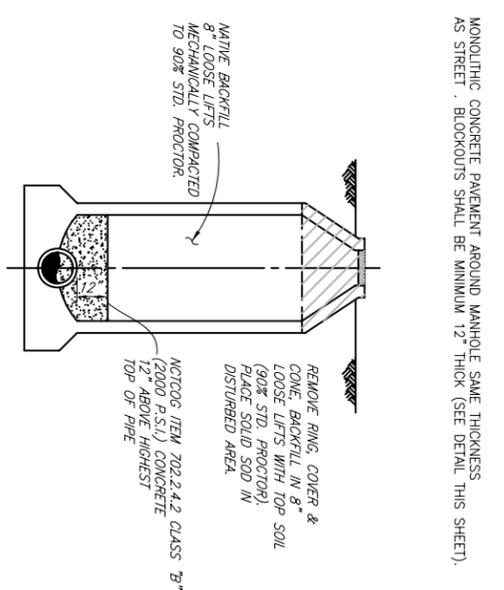
**PRECAST CONCRETE MANHOLE**

NOTE:  
ALL JOINTS IN PRECAST MANHOLE SHALL BE SEALED ON OUTSIDE OF MANHOLE WITH AQUALGARD SHRINK SEAL.



**MANHOLE RING AND COVER**  
WITH LOCKING DEVICE & PICK SLOTS

BASS AND HAVES FOUNDRY, INC.  
TRAFFIC BEARING MANHOLE: 400-24  
NON TRAFFIC BEARING MANHOLES: 300-24



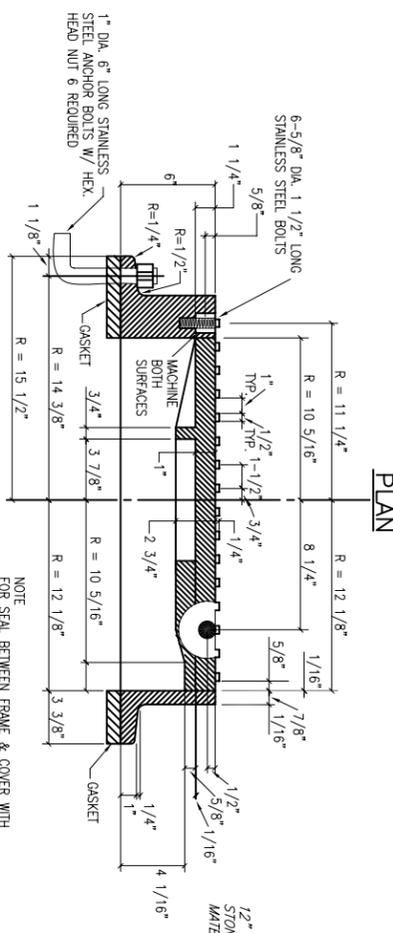
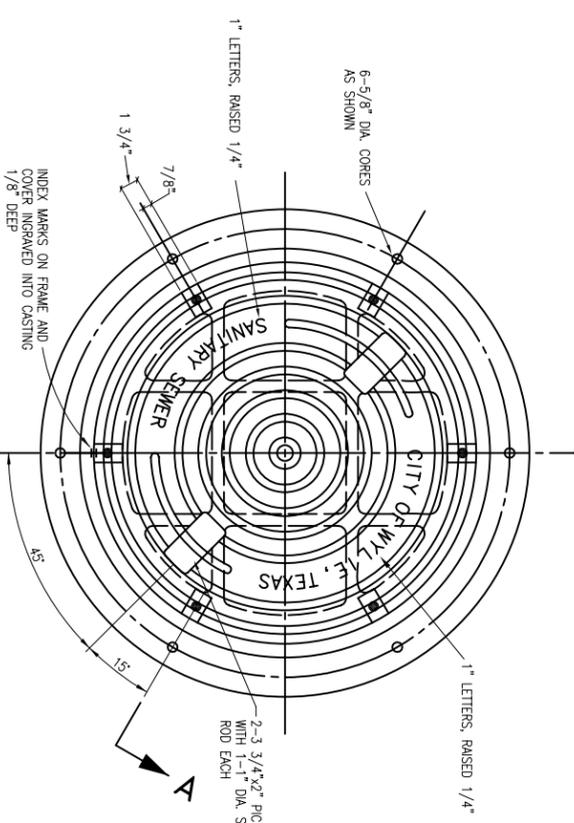
**MANHOLE ABANDONMENT**  
OUTSIDE PAVEMENT AREA

MONOLITHIC CONCRETE PAVEMENT AROUND MANHOLE SAME THICKNESS AS STREET. BLOCKOUTS SHALL BE MINIMUM 12" THICK (SEE DETAIL THIS SHEET).

MANHOLE CONE NOTE:  
FOR MANHOLES WITH DIAMETER LARGER THAN 48" I.D., A PRE-CAST FLAT TOP MANHOLE COVER AS PER A.S.T.M. C478 SHALL BE INSTALLED.

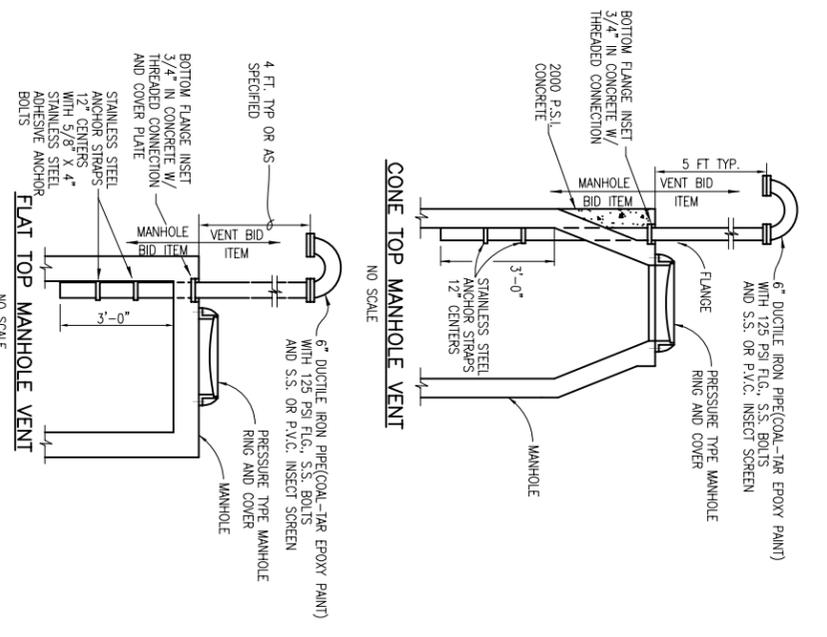
BOTTOM SECTION OF MANHOLE IN RISER PIPE LENGTHS OF ONE (1), TWO (2) OR THREE (3) FEET TO BE SET ON 1" OF HIGH STRENGTH, NON-SHRINK, LEVEL GROUT.

ALL BASES FOR PIPES OVER 24" DIA. SHALL BE CAST IN PLACE OR AS NECESSARY TO PROVIDE AT LEAST 18" WIDE SOLID WALL IN BETWEEN PENETRATIONS DUE TO DEFLECTION ANGLE.



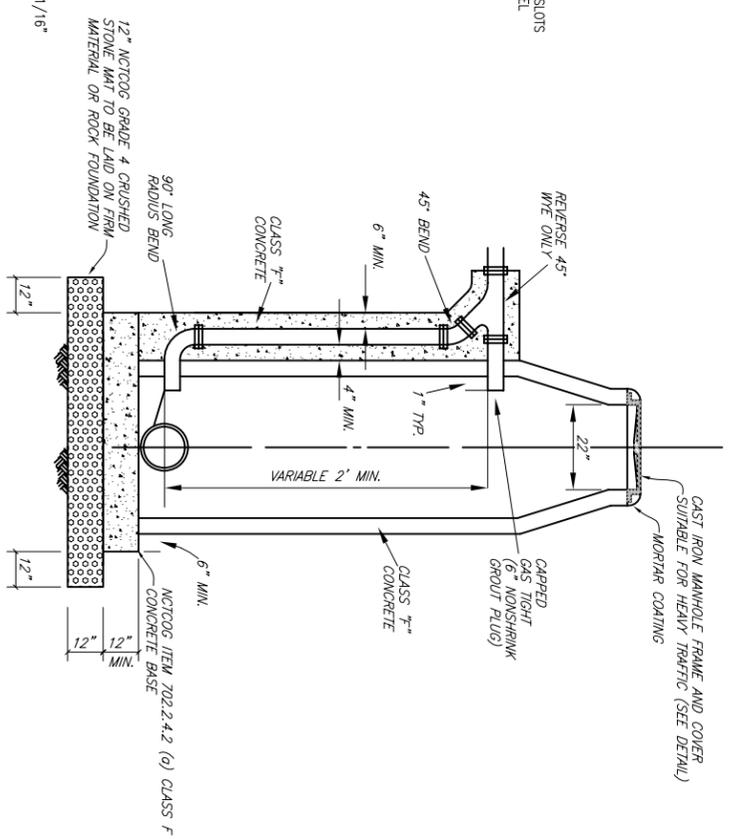
**PRESSURE TYPE MANHOLE FRAME AND COVER**  
SECTION A-A

NOTE:  
FOR SEAL BETWEEN FRAME & COVER WITH A 1/4" DIA. NEOPRENE O-RING GASKET. (LOCATION OF O-RING GASKET IS LEFT TO MANUFACTURER, BUT SUBJECT TO APPROVAL BY OWNER)



**CONE TOP MANHOLE VENT**  
NO SCALE

**FLAT TOP MANHOLE VENT**  
NO SCALE



**OUTSIDE DROP CONCRETE MANHOLE**

1	ADD OUTSIDE DROP MANHOLE	UCH	10/10/06
NO.	REVISION	BY	DATE

**CITY OF WYLIE, TEXAS**

STANDARD CONSTRUCTION DETAILS

**SANITARY SEWER / MANHOLES**

DATE: APRIL, 2005

SHEET STD-19\_R