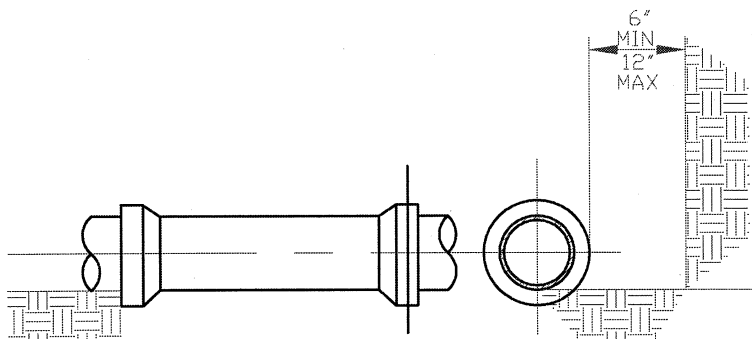


**SANITARY  
SEWER DETAILS  
&  
APPURTENANCES**

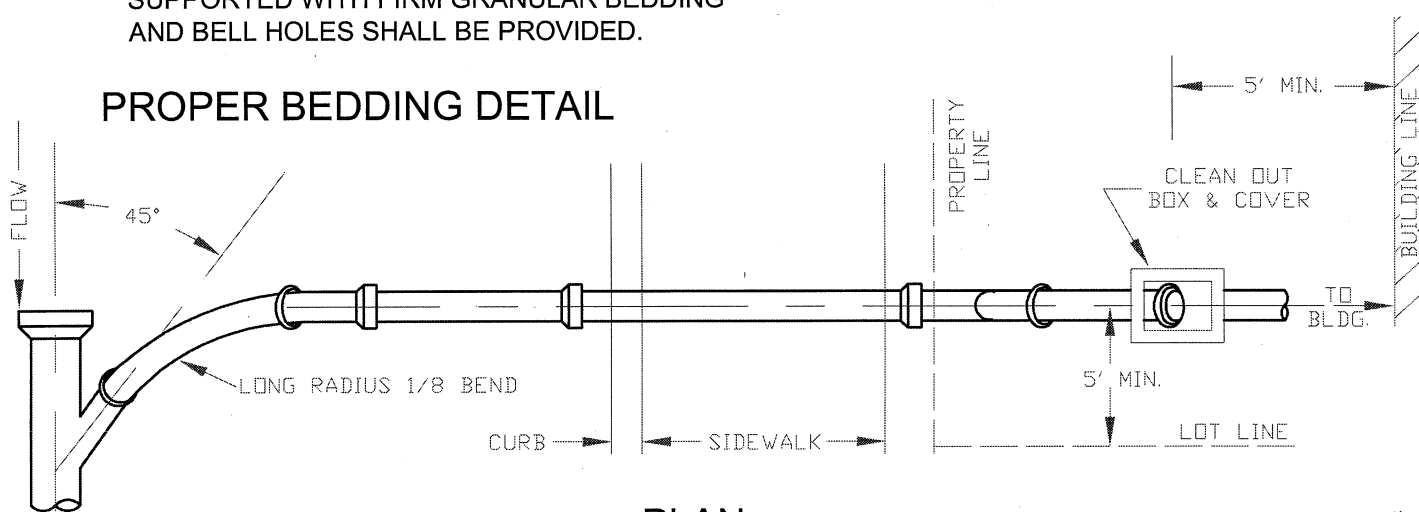


NOTE: ENTIRE LENGTH OF BARREL SHALL BE FULLY SUPPORTED WITH FIRM GRANULAR BEDDING AND BELL HOLES SHALL BE PROVIDED.

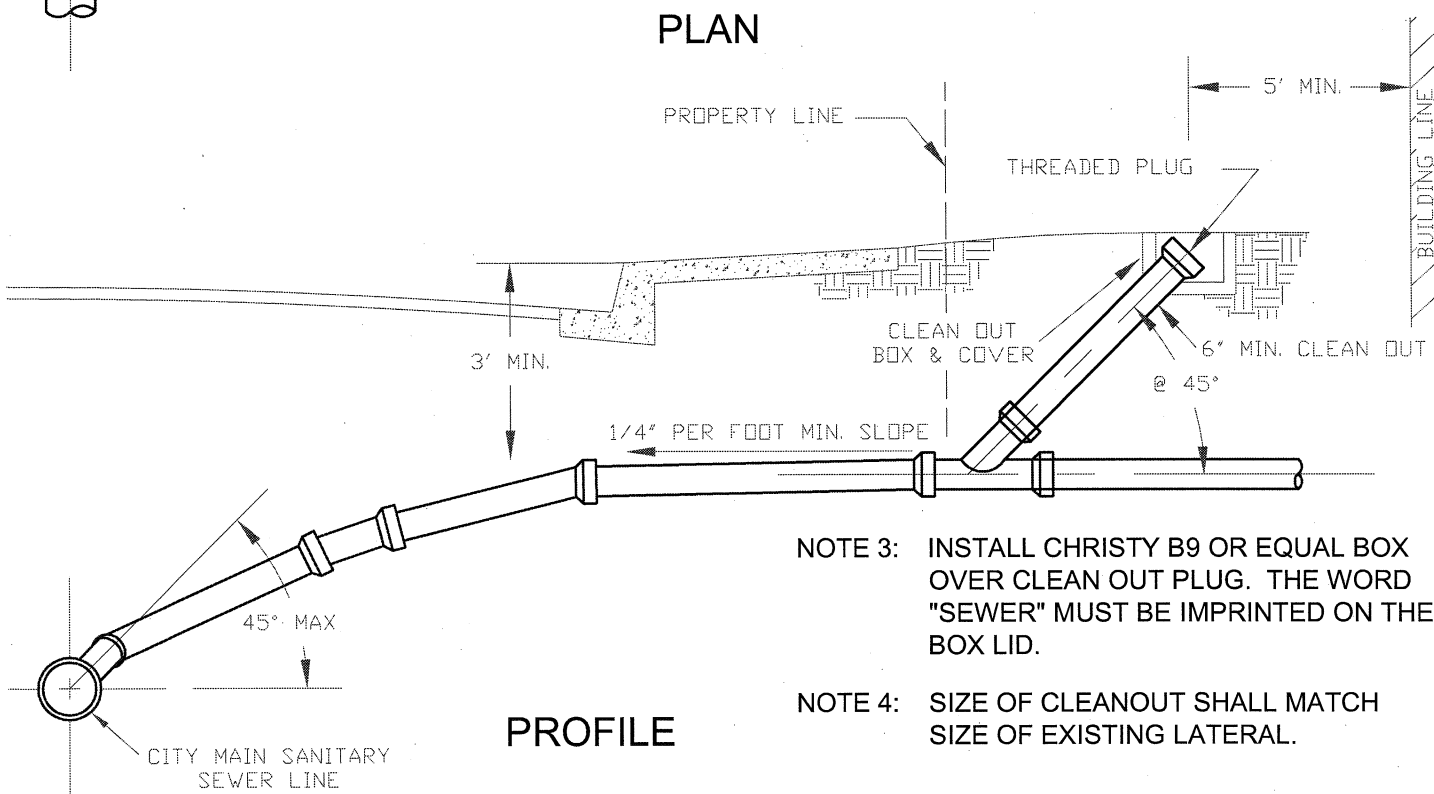
NOTE 1: AN ENCROACHMENT PERMIT MUST BE ISSUED FROM THE DEPARTMENT OF PUBLIC WORKS, 330 W. 20TH AVE., SAN MATEO, CA. PRIOR TO ANY WORK IN THE PUBLIC RIGHT-OF-WAY OR CITY EASEMENT. ALL WORK MUST BE INSPECTED BY PUBLIC WORKS PRIOR TO BACKFILL.

NOTE 2: ALL LATERALS SHALL BE 6" MINIMUM. APPROVED MATERIALS ARE VCP, CIP, PVC, SDR 35.

## PROPER BEDDING DETAIL



## PLAN



NOTE 3: INSTALL CHRISTY B9 OR EQUAL BOX OVER CLEAN OUT PLUG. THE WORD "SEWER" MUST BE IMPRINTED ON THE BOX LID.

NOTE 4: SIZE OF CLEANOUT SHALL MATCH SIZE OF EXISTING LATERAL.

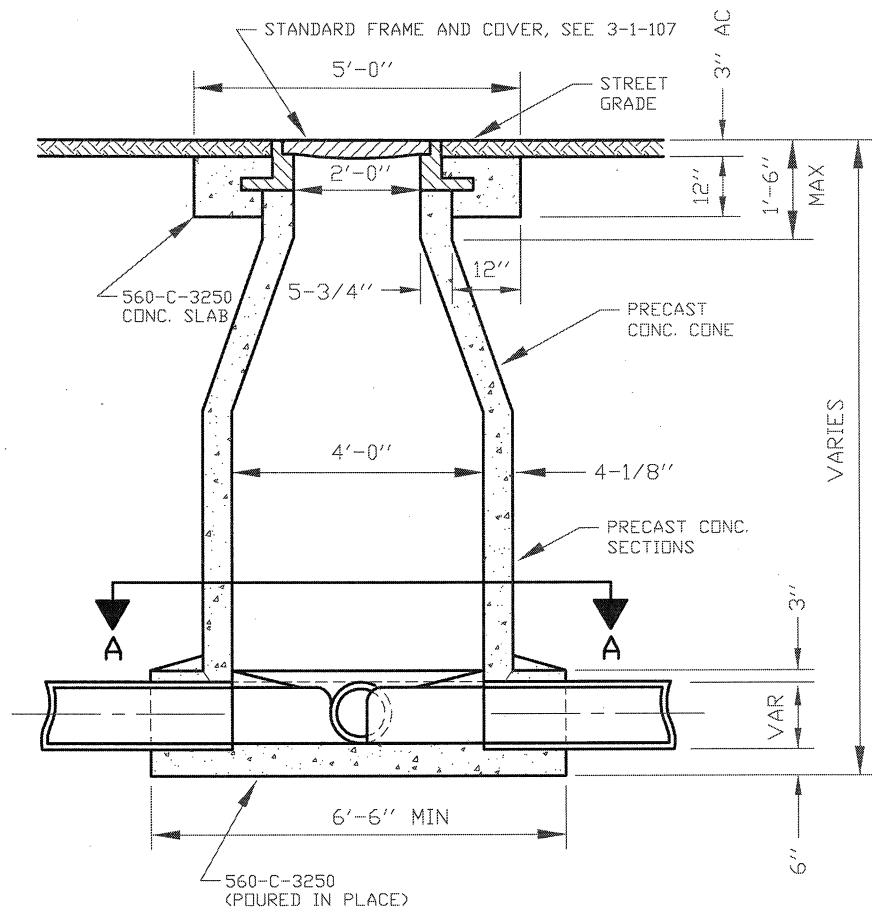


ENGINEERING DEPARTMENT

CALIFORNIA 94403

## STANDARD SEWER LATERAL INSTALLATION

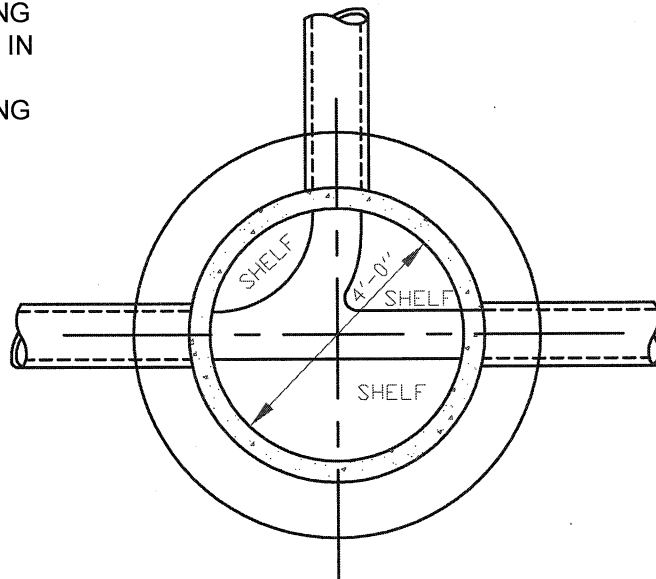
DATE	DRAWN BY	CHECKED BY	APPROVED	CASE	DRAWER	SET
3/15/05	MQ	OC	<i>Gay Deep</i> CITY ENGINEER	3	1	101



SECTIONAL ELEVATION

NOTES:

1. CONCRETE SLAB AROUND CASTING SHALL BE A CONCENTRIC CIRCLE IN STREETS.
2. CONCRETE SLAB AROUND CASTING SHALL BE SQUARE AND FORMED WITH LUMBER IN EASEMENTS.
3. TAPER "SHELF" 1/2" PER FOOT TOWARDS CHANNEL.



SECTION A-A



ENGINEERING DEPARTMENT

CALIFORNIA 94403

STANDARD PRECAST CONCENTRIC MANHOLE

DATE	DRAWN BY	CHECKED BY	APPROVED	CASE	DRAWER	SET
2002	PC	OC	<i>Mark C. Jones</i> CITY ENGINEER	3	1	104



1. CONCRETE SLAB AROUND CASTING SHALL BE A CONCENTRIC CIRCLE IN STREETS.
2. CONCRETE SLAB AROUND CASTING SHALL BE SQUARE AND FORMED WITH LUMBER IN EASEMENTS.
3. TAPER "SHELF" 1/2" PER FOOT TOWARDS CHANNEL.



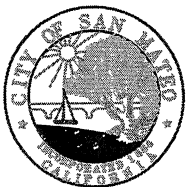
CALIFORNIA 94403

## STANDARD PRECAST ECCENTRIC MANHOLE


DATE	DRAWN BY	CHECKED BY	APPROVED	CASE	DRAWER	SET
2002	PC	OC	 CITY ENGINEER	3	1	104A

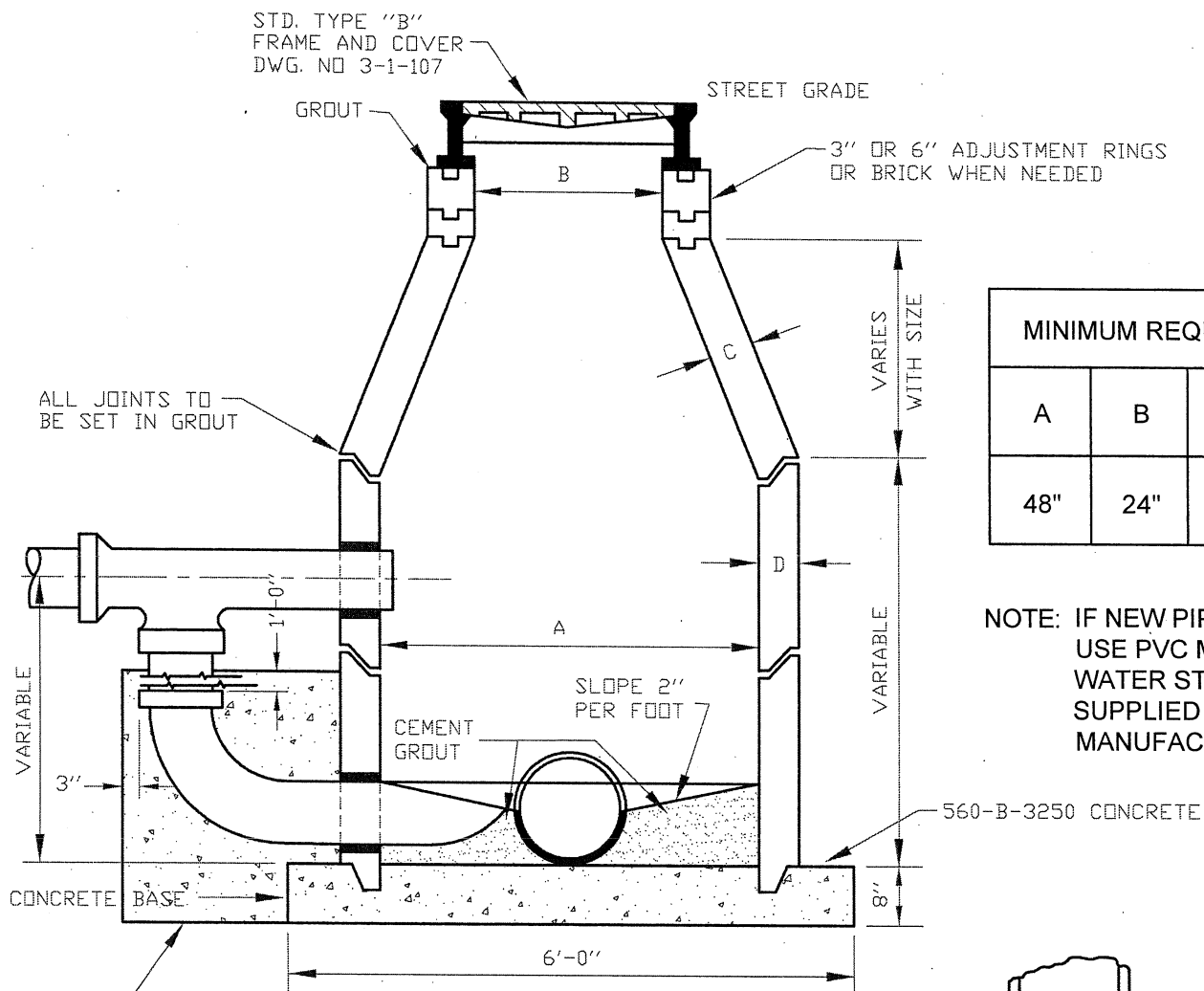


1. PRECAST SECTIONS BY SANTA ROSA CAST PRODUCTS OR APPROVED EQUAL.
2. GROUT JOINTS WITH 1:3 MORTAR MIX OR USE RAM-NECK JOINT COMPOUND.
3. BASE SHALL BE 560-C-3250 CONCRETE.
4. CONCRETE SLAB AROUND CASTING SHALL BE CONCENTRIC CIRCLE IN STREET.
5. CONCRETE SLAB AROUND CASTING SHALL BE SQUARE AND FORMED WITH LUMBER IN EASEMENT OR UNPAVED AREA.



## STANDARD TYPE "A" MANHOLE

DATE	DRAWN BY	CHECKED BY	APPROVED	CASE	DRAWER	SET
2002	PC	OC	 CITY ENGINEER	3	1	104B



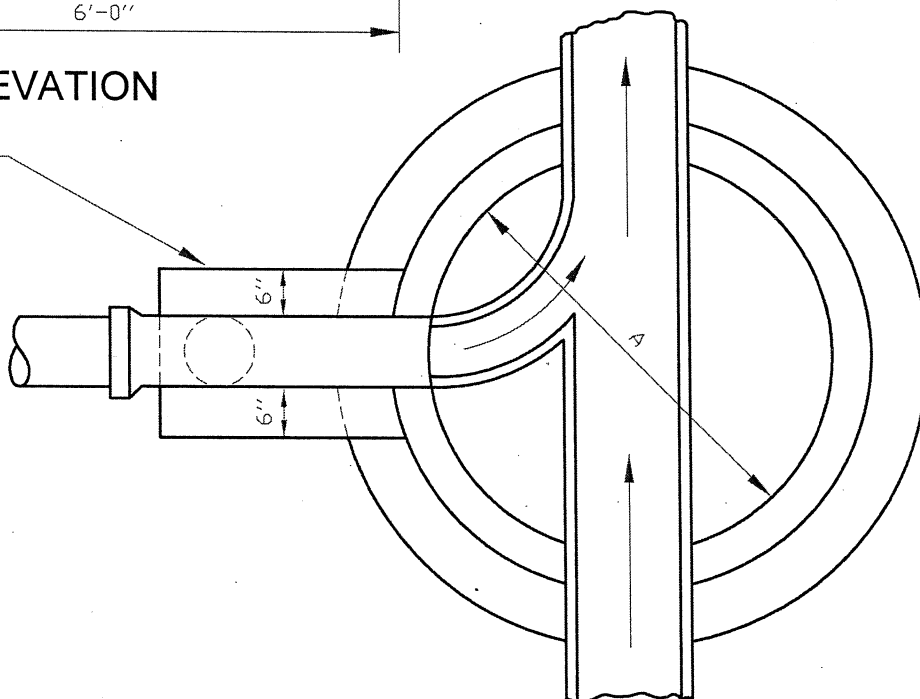
# MINIMUM REQUIREMENTS

A	B	C	D
48"	24"	5-3/4"	4"

NOTE: IF NEW PIPE IS PLASTIC  
USE PVC MANHOLE  
WATER STOP RING AS  
SUPPLIED BY PIPE  
MANUFACTURER.

ELEVATION

ENCASE PIPE IN 560-B-3250  
CONCRETE



BOTTOM PLAN



ENGINEERING DEPARTMENT

CALIFORNIA 94403

## STANDARD PRECAST CONCRETE DROP MANHOLE

DATE  
2002

DRAWN BY  
PC

CHECKED BY  
OC

APPROVED

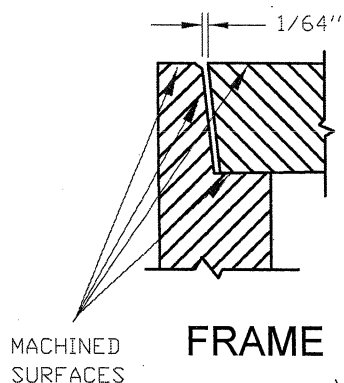
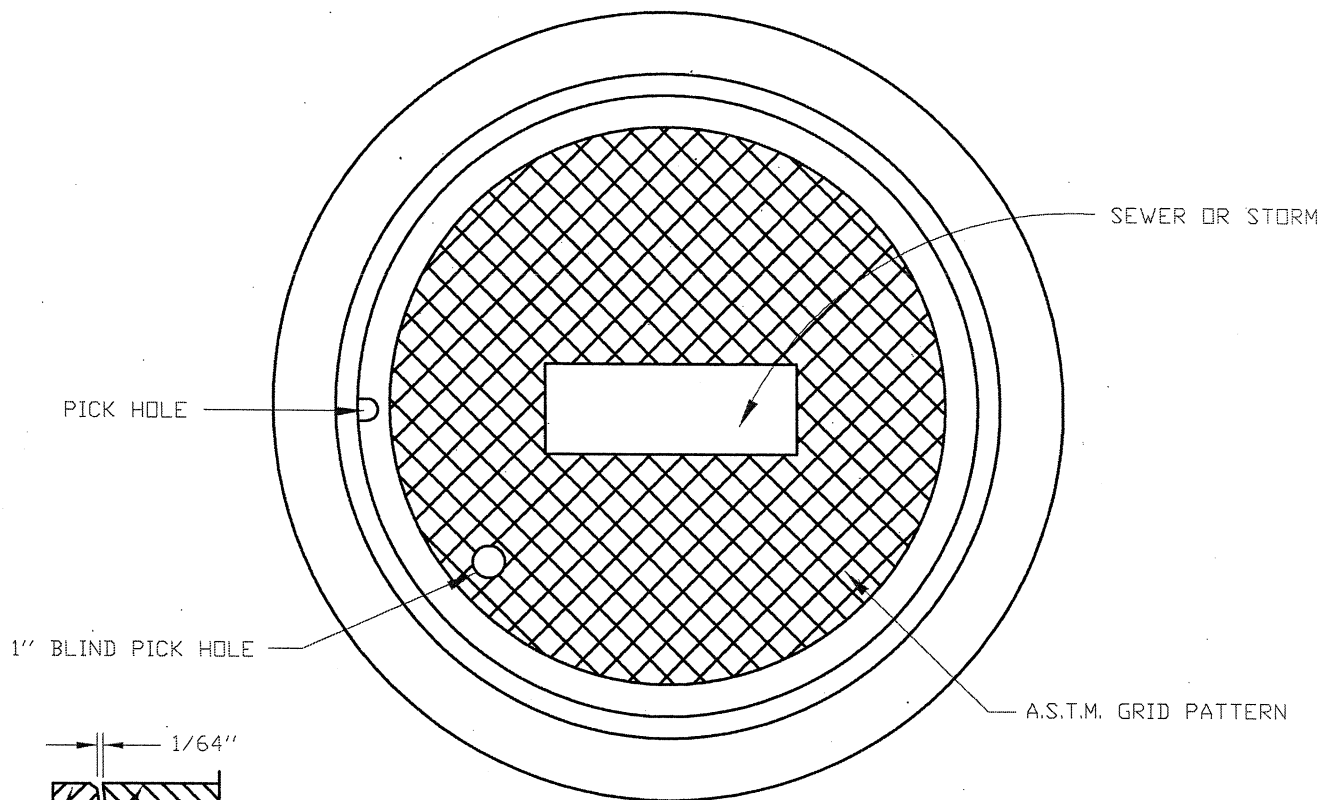
*[Signature]*

CITY ENGINEER

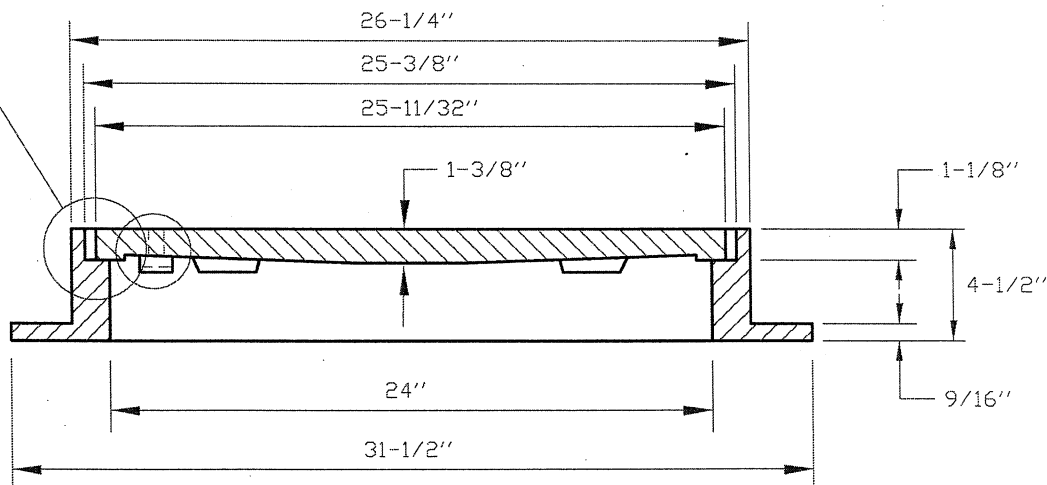
CASE  
3

DRAWER  
1

SET  
105



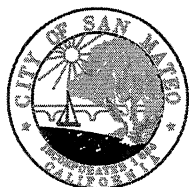
PLAN



SECTION

1" BLIND PICK HOLE

NOTE: PINKERTON FOUNDRY MODEL A-640, PHOENIX IRON WORKS MODEL P-1001 OR APPROVED EQUAL.

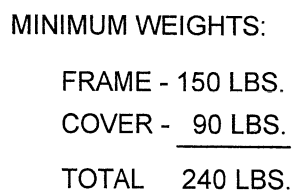


ENGINEERING DEPARTMENT

CALIFORNIA 94403

## STANDARD TYPE "B" MANHOLE FRAME & COVER

DATE	DRAWN BY	CHECKED BY	APPROVED	CASE	DRAWER	SET
2002	PC	OC	<i>Robert Hearn</i> CITY ENGINEER	3	1	107

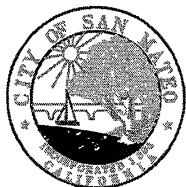


Technical drawing showing a cross-section of a mechanical assembly. The drawing includes the following dimensions and features:

- Overall length: 34"
- Internal length segments: 28", 27-3/4"
- Internal width segments: 1/2", 7/8", 5/8", 1"
- Overall width: 4"
- Internal width segments: 11", 26", 28"
- External width segments: 3/4", 3/4"
- Feature: SEATING SURFACES TO BE MACHINED (indicated by a leader line pointing to the bottom surface of the central component)


## SECTION A-A

NOTE: THIS FRAME AND COVER TO BE USED ONLY WHEN SPECIFIED ON PLANS. NOT TO BE USED IN VEHICULAR TRAVELLED WAYS. (NOT TRAFFIC BEARING)

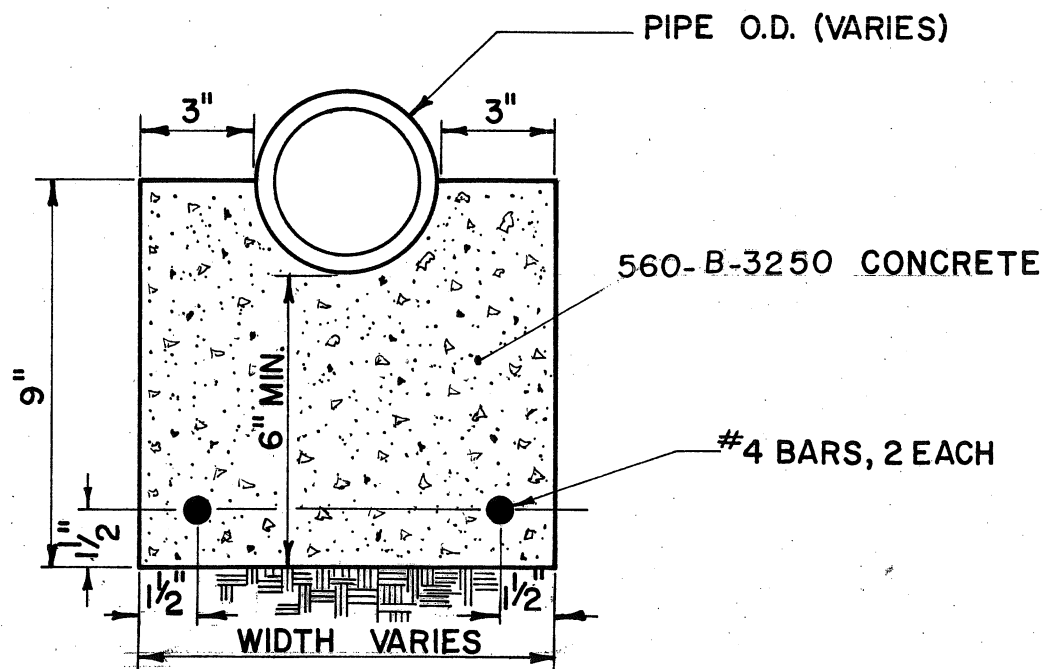
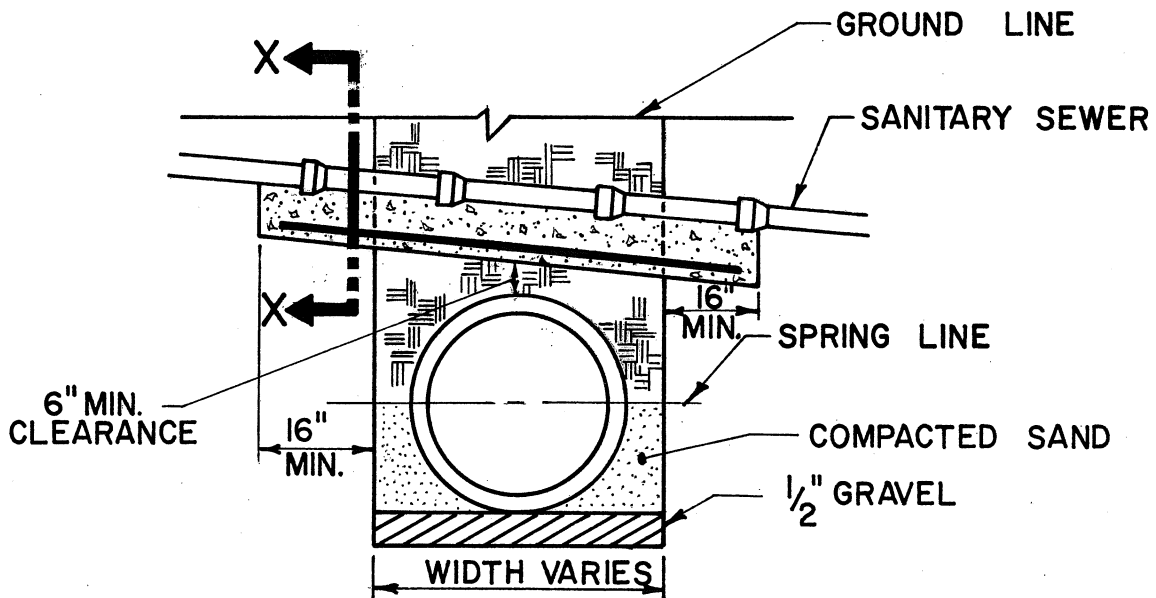


CALIFORNIA 9440.3

## STANDARD TYPE "C" MANHOLE FRAME & COVER

DATE	DRAWN BY	CHECKED BY	APPROVED	CASE	DRAWER	SET
2002	PC	OC	 CITY ENGINEER	3	1	108





SECTION X-X

SAN MATEO

CALIFORNIA

# STANDARD PIPE SUPPORT ACROSS TRENCH

DATE

DRAWN BY

CHK. BY

APPROVED

PLAN CASE

DRAWER

SHEET

8-74

R.O.

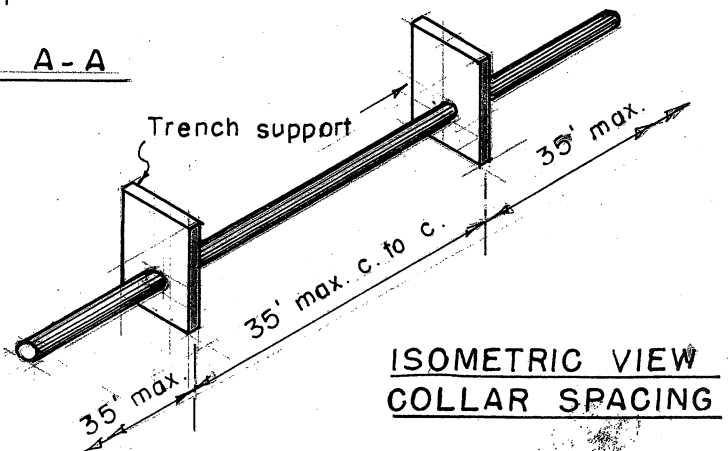
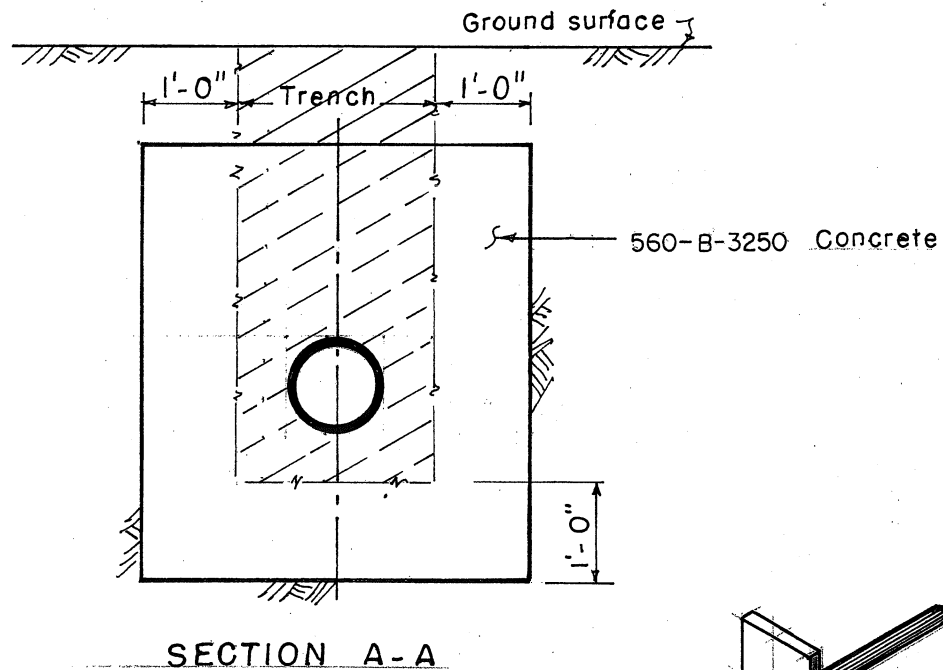
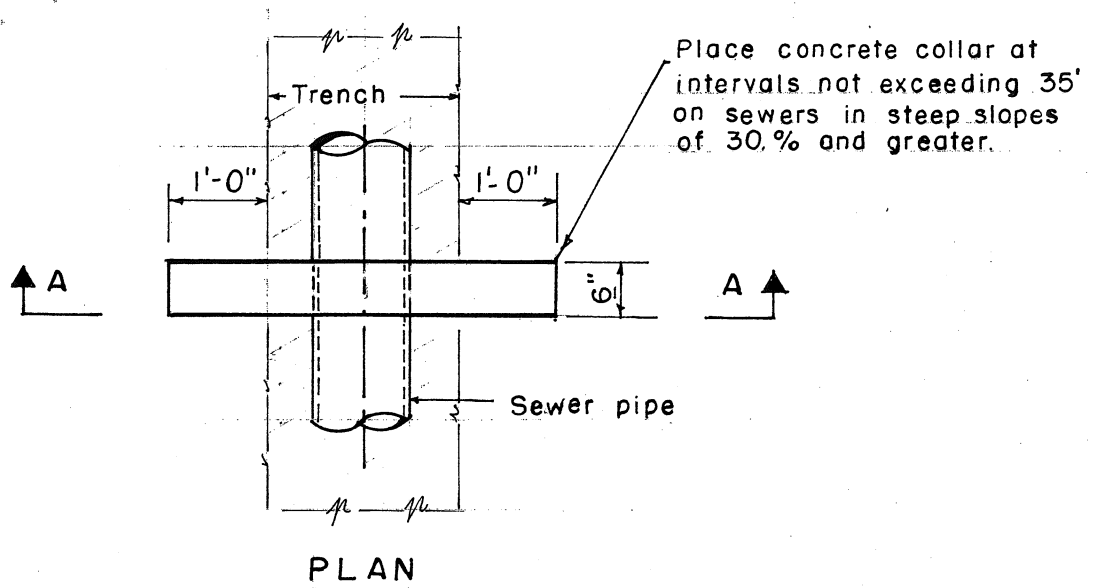
T.L.

*[Signature]*  
CITY ENGINEER

3

1

110




Not to scale

SAN MATEO

STANDARD

CALIFORNIA

TRENCH SUPPORT CONCRETE COLLAR

DATE SEPT. 1973	DRAWN BY L.B.	CHK. BY JDM	APPROVED 	PLAN CASE 3	DRAWER 1	SHEET 111
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DIRECTOR OF PUBLIC WORKS