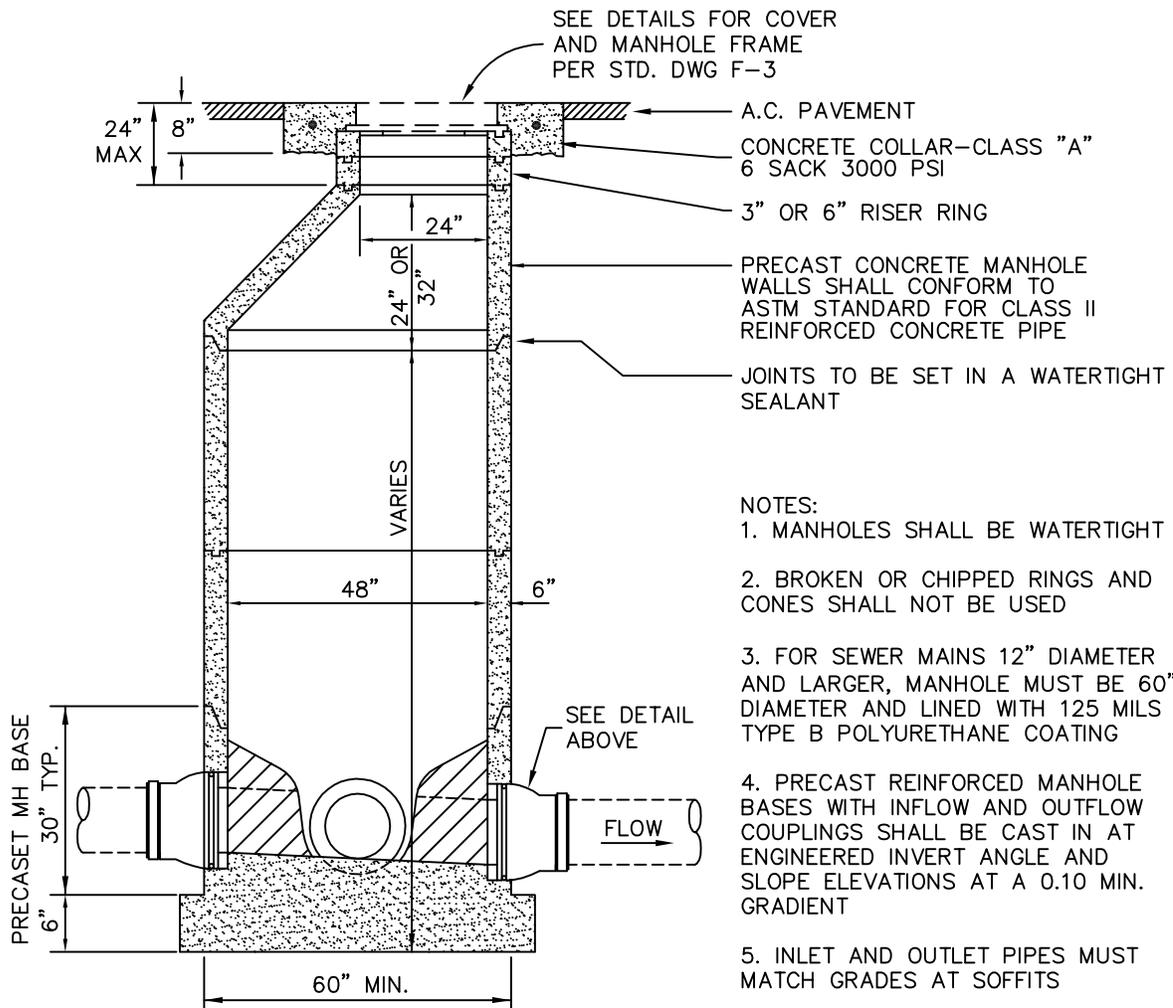
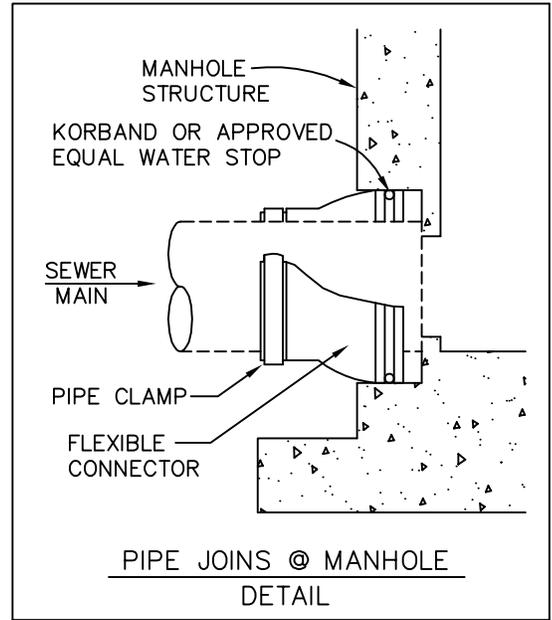


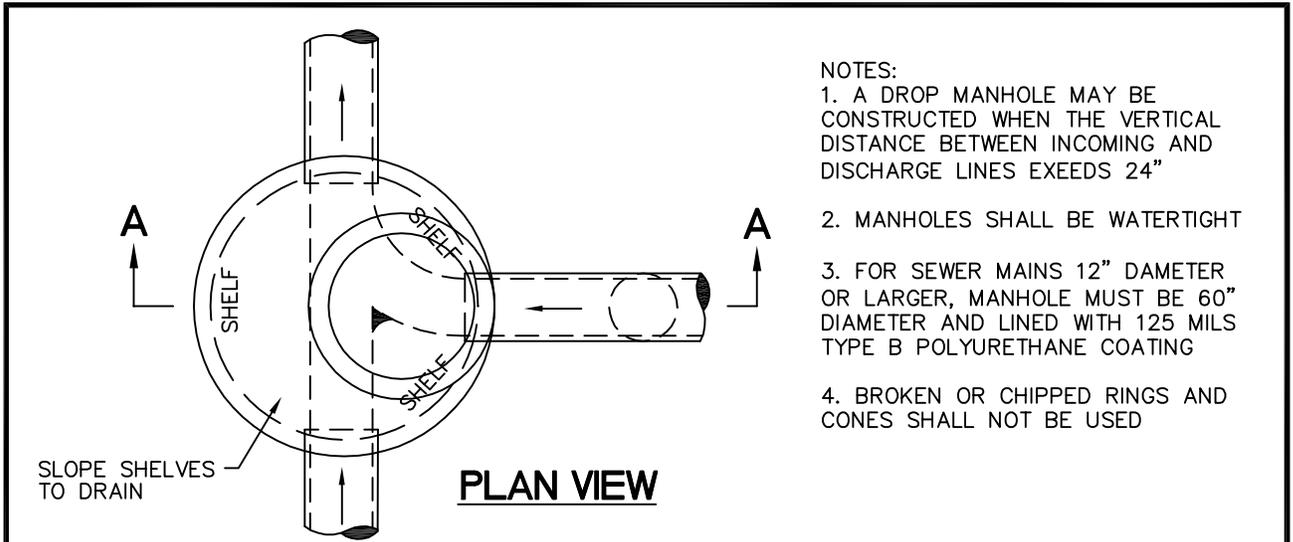
**PLAN VIEW**



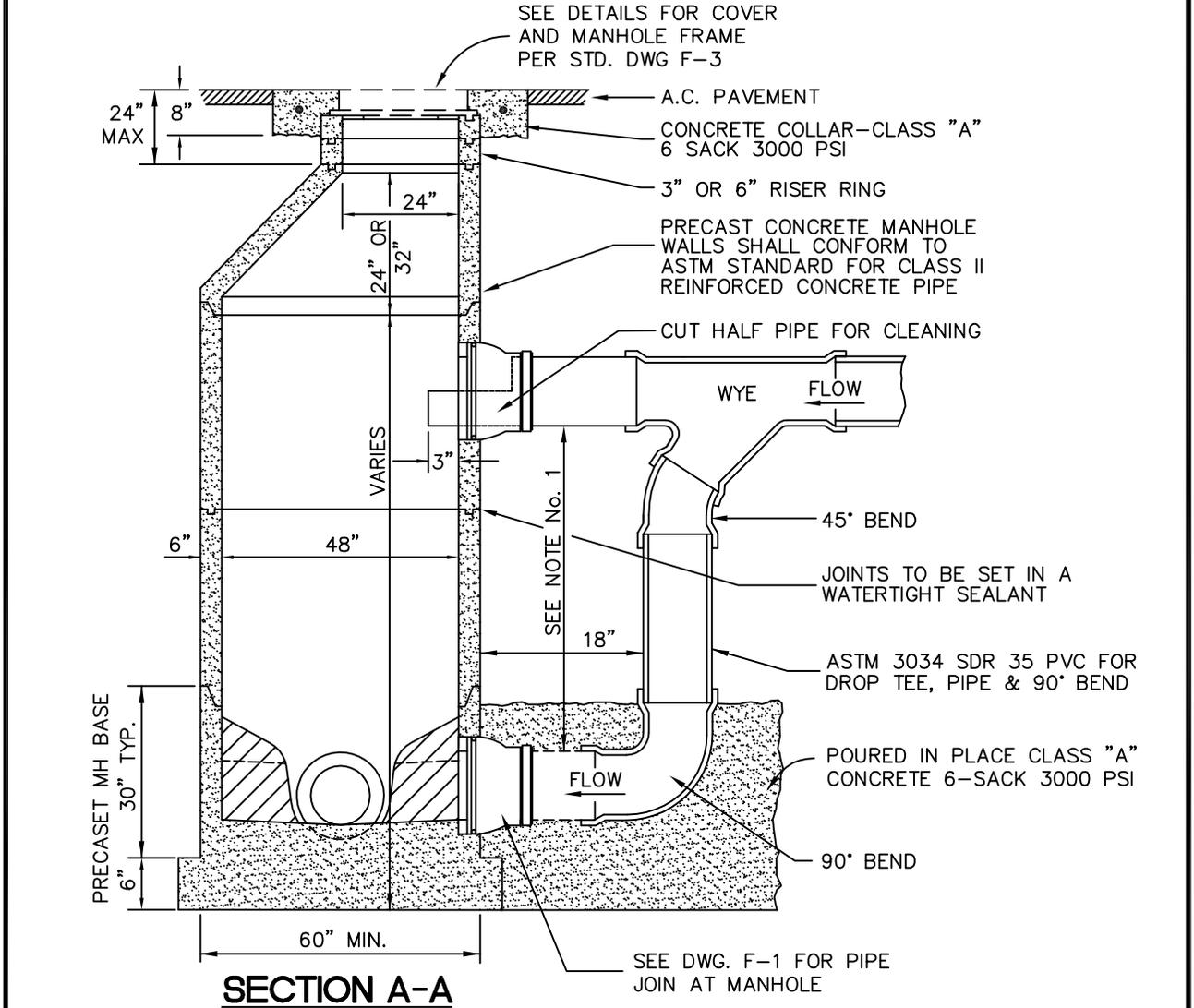
**SECTION A-A**

- NOTES:
1. MANHOLES SHALL BE WATERTIGHT
  2. BROKEN OR CHIPPED RINGS AND CONES SHALL NOT BE USED
  3. FOR SEWER MAINS 12" DIAMETER AND LARGER, MANHOLE MUST BE 60" DIAMETER AND LINED WITH 125 MILS TYPE B POLYURETHANE COATING
  4. PRECAST REINFORCED MANHOLE BASES WITH INFLOW AND OUTFLOW COUPLINGS SHALL BE CAST IN AT ENGINEERED INVERT ANGLE AND SLOPE ELEVATIONS AT A 0.10 MIN. GRADIENT
  5. INLET AND OUTLET PIPES MUST MATCH GRADES AT SOFFITS

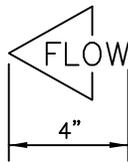
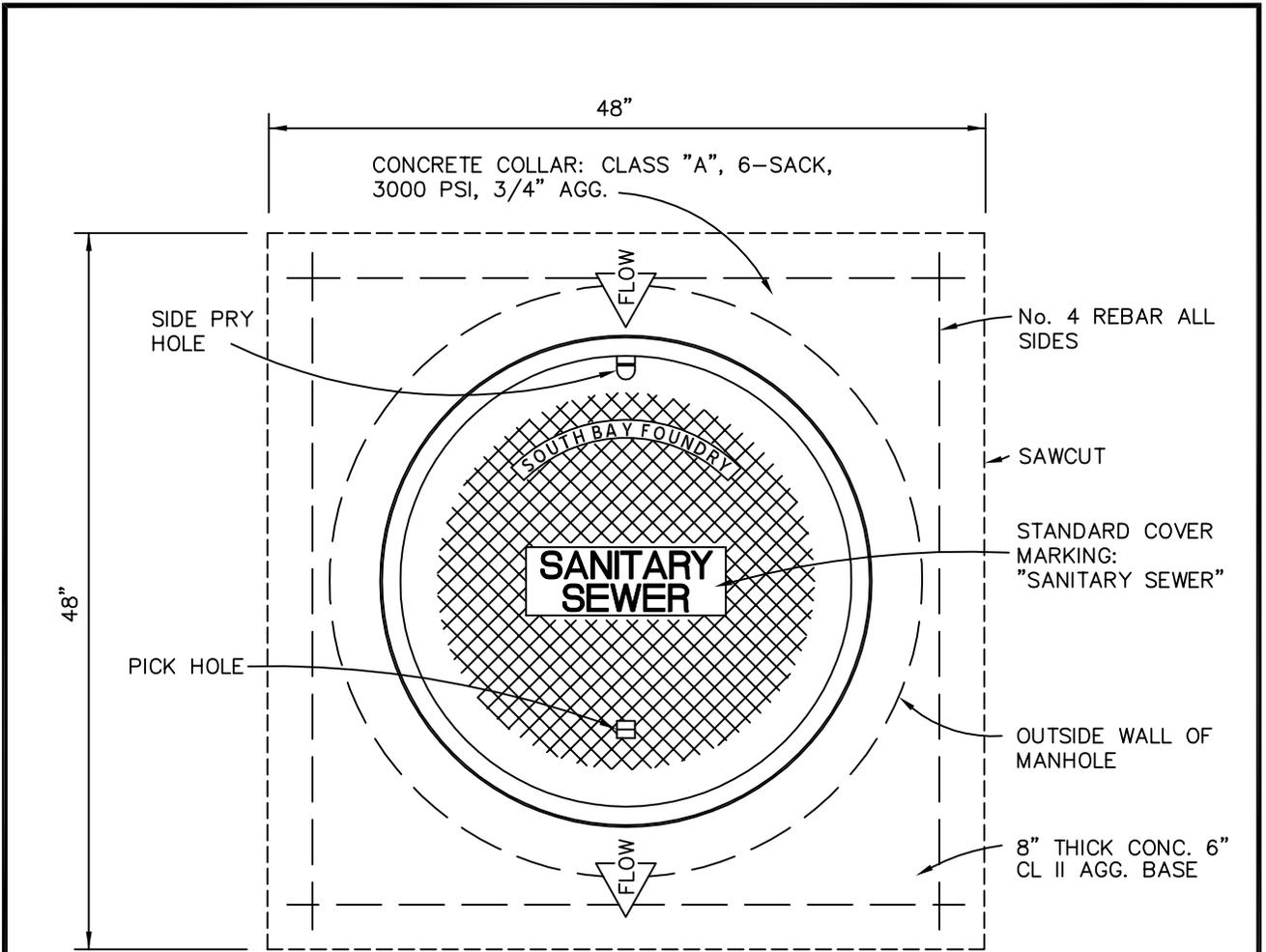
|  |  |                        |
|--|--|------------------------|
| DRAWN BY:<br>KGE<br>DESIGNED BY:<br>JF<br>DATE:<br>05/12<br>FILE NAME:<br>PR-F-1.DWG | CITY OF PASO ROBLES<br>ENGINEERING DIVISION<br><br>STANDARD SEWER MANHOLE<br>WITH PRECAST BASE | DRAWING NO.<br><br>F-1 |
|--|--|------------------------|



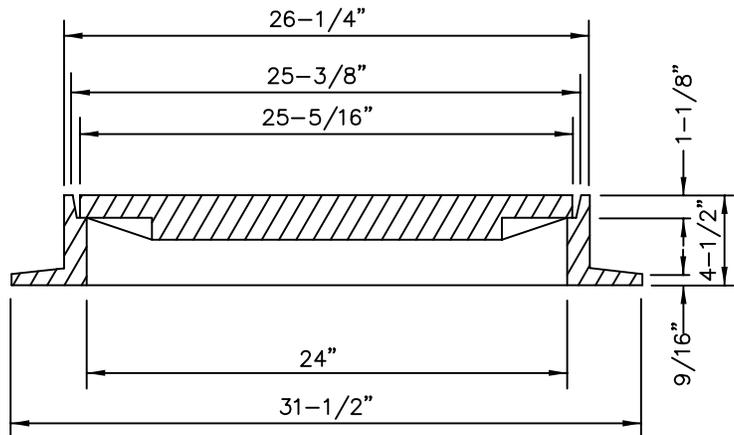
- NOTES:
1. A DROP MANHOLE MAY BE CONSTRUCTED WHEN THE VERTICAL DISTANCE BETWEEN INCOMING AND DISCHARGE LINES EXCEEDS 24"
  2. MANHOLES SHALL BE WATERTIGHT
  3. FOR SEWER MAINS 12" DAMETER OR LARGER, MANHOLE MUST BE 60" DIAMETER AND LINED WITH 125 MILS TYPE B POLYURETHANE COATING
  4. BROKEN OR CHIPPED RINGS AND CONES SHALL NOT BE USED



|                          |   |             |
|--------------------------|---|-------------|
| DRAWN BY:<br>KGE         | CITY OF PASO ROBLES<br>ENGINEERING DIVISION | DRAWING NO. |
| DESIGNED BY:<br>JF       |   |             |
| DATE:<br>05/12           | DROP MANHOLE                                | F-2         |
| FILE NAME:<br>PR-F-2.DWG |   |             |

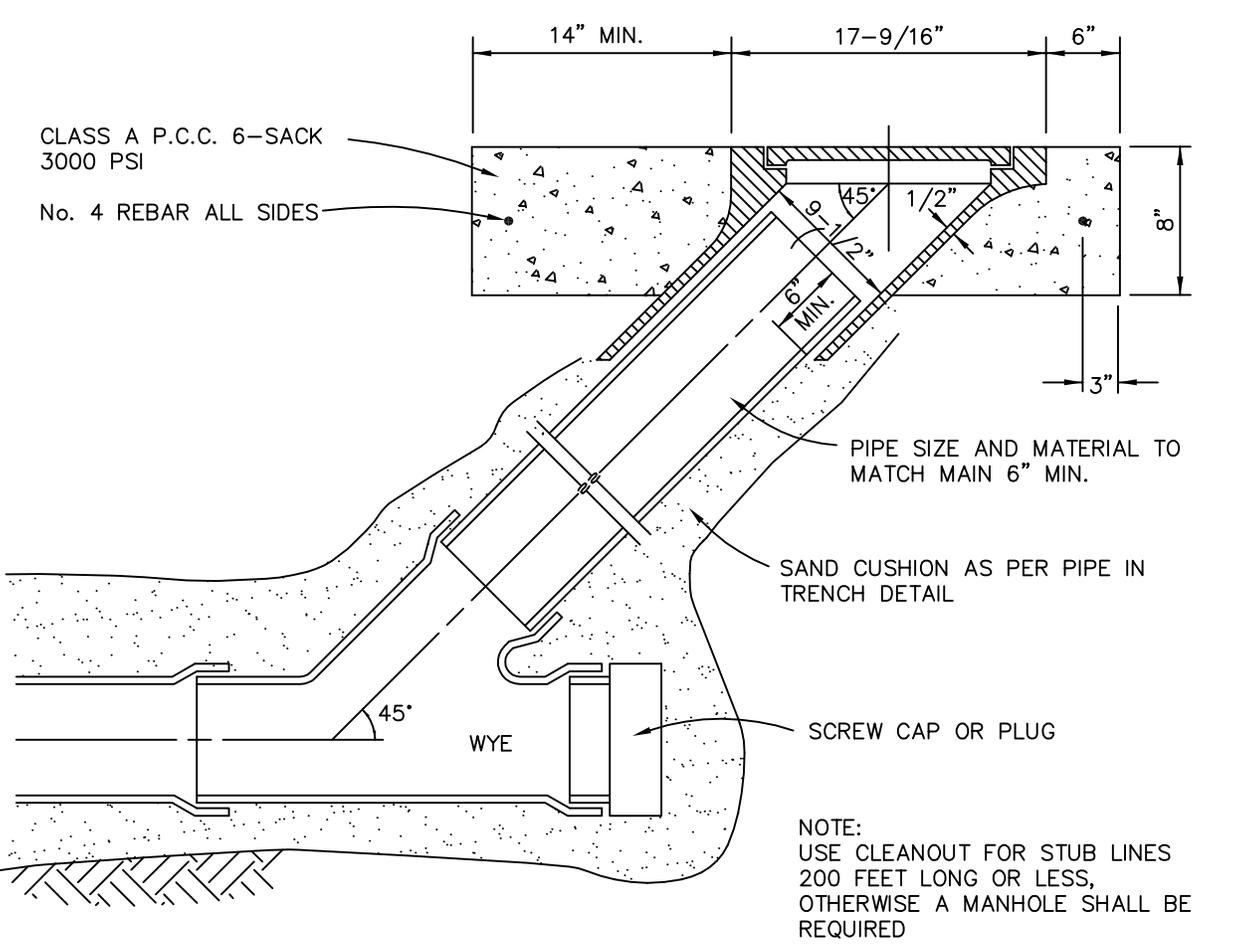
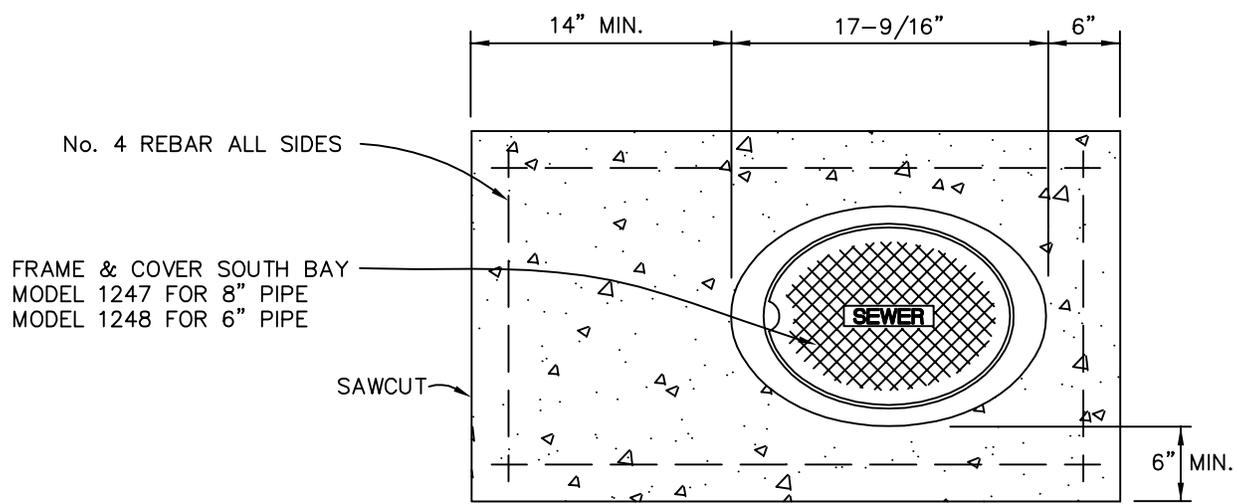


STAMP THE CONCRETE COLLAR WITH THIS NOTATION (OR EQUAL) TO SHOW FLOW DIRECTION OF SEWER LINES CONNECTED TO THE MANHOLE. CONTACT THE WASTEWATER DIVISION FOR STAMPING TOOL, IF NEEDED.



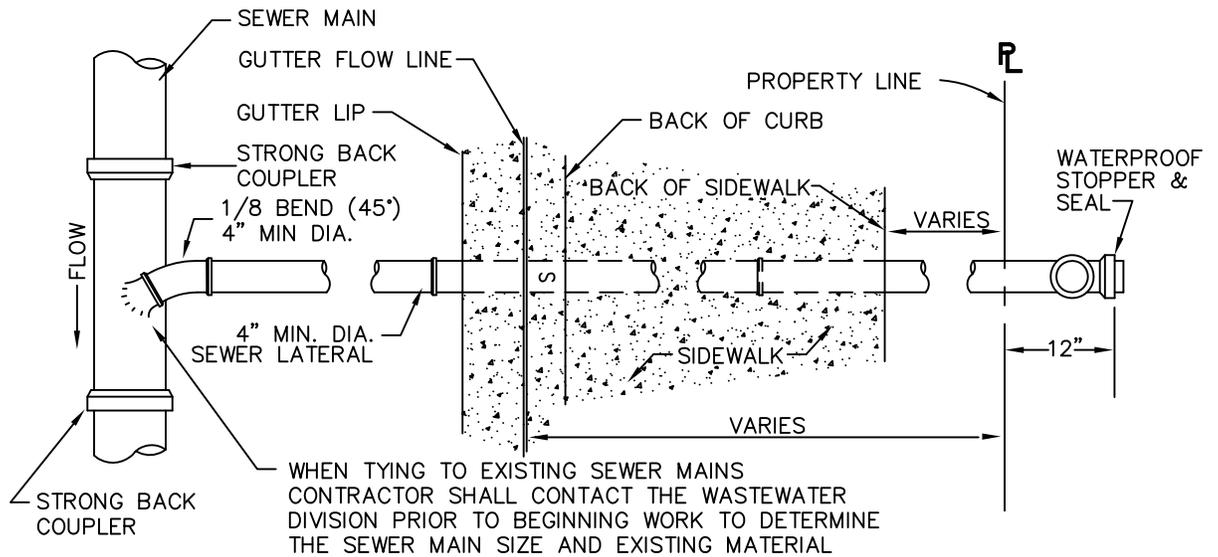
STANDARD MANHOLE COVER AND FRAME SHALL BE SOUTH BAY FOUNDRY MODEL SBF 1900 BPH OR APPROVED EQUAL

|                          |   |             |
|--------------------------|---|-------------|
| DRAWN BY:<br>KGE         | CITY OF PASO ROBLES<br>ENGINEERING DIVISION | DRAWING NO. |
| DESIGNED BY:<br>JF       |   |             |
| DATE:<br>05/12           | SEWER MANHOLE COVER                         | F-3         |
| FILE NAME:<br>PR-F-3.DWG |   |             |



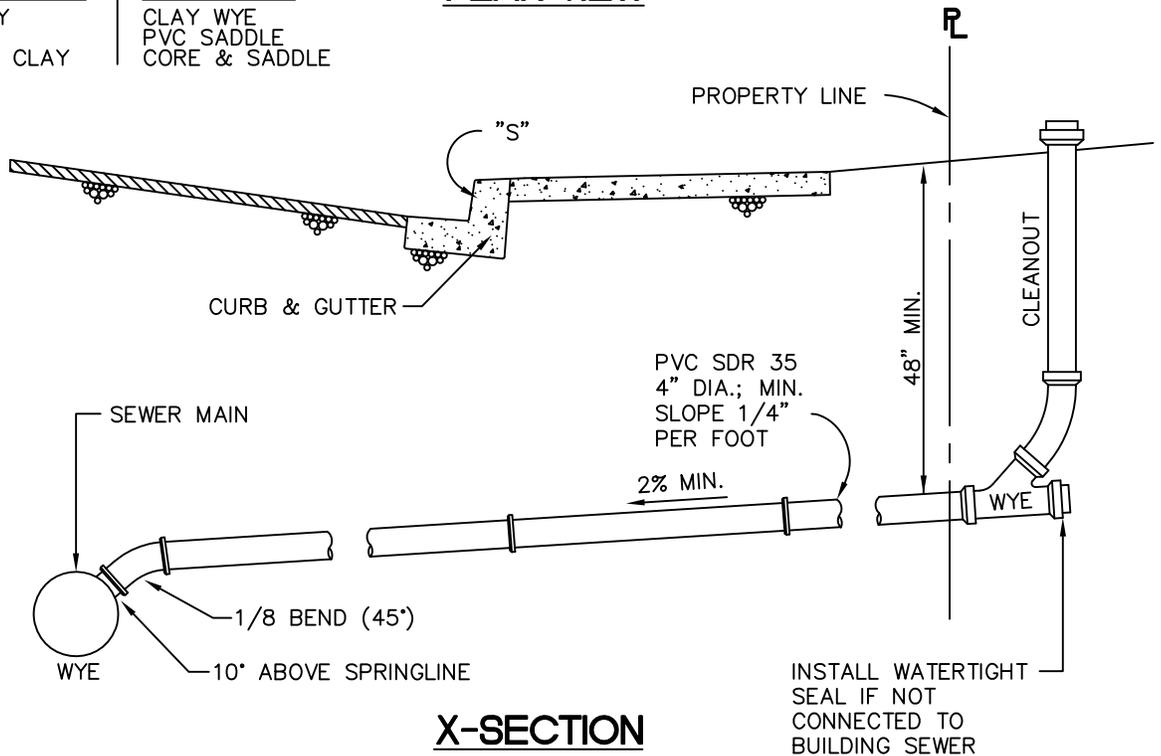
NOTE:  
 USE CLEANOUT FOR STUB LINES  
 200 FEET LONG OR LESS,  
 OTHERWISE A MANHOLE SHALL BE  
 REQUIRED

|                          |   |                        |
|--------------------------|---|------------------------|
| DRAWN BY:<br>KGE         | CITY OF PASO ROBLES<br>ENGINEERING DIVISION | DRAWING NO.<br><br>F-4 |
| DESIGNED BY:<br>JF       |   |                        |
| DATE:<br>05/12           | SEWER CLEANOUT                              |                        |
| FILE NAME:<br>PR-F-4.DWG |   |                        |



| SEWER MAIN MATERIAL | REQUIRED CONNECTION |
|---------------------|---------------------|
| CLAY                | CLAY WYE            |
| PVC                 | PVC SADDLE          |
| LINE CLAY           | CORE & SADDLE       |

### PLAN VIEW



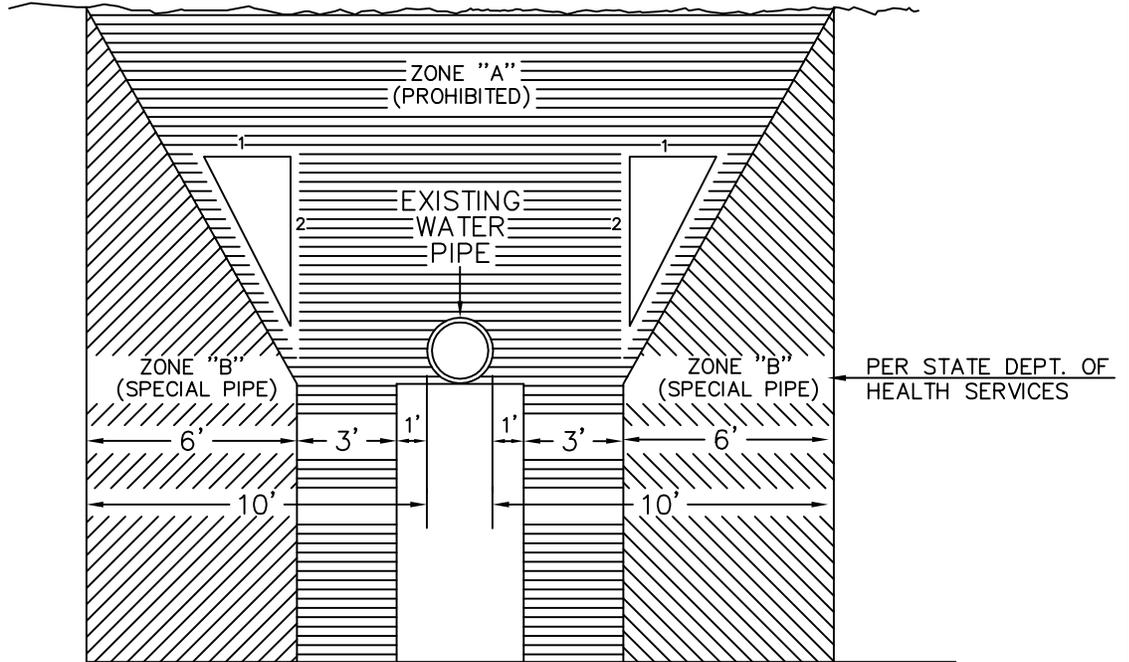
### X-SECTION

NOTES:

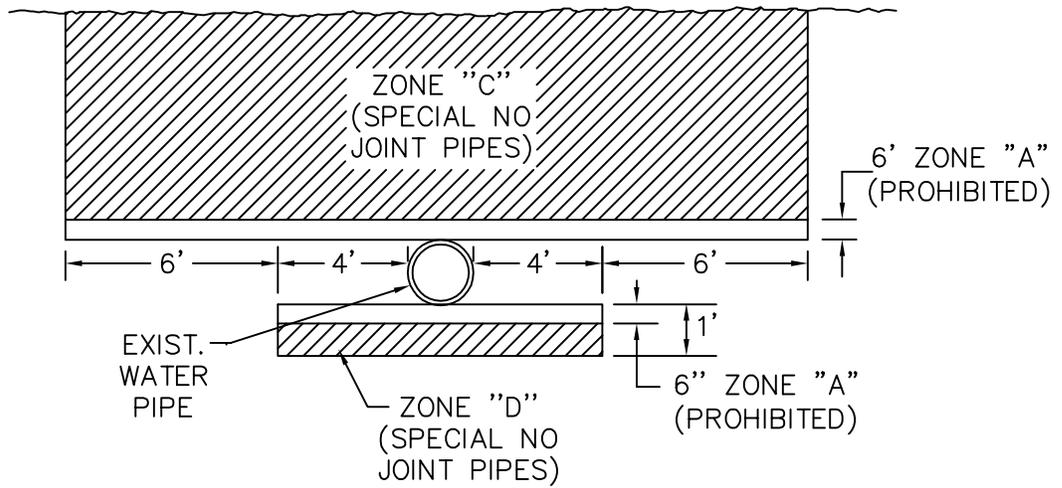
1. "S" SHALL BE MARKED ON CURB FACE OVER LATERAL
2. "S" SHALL BE STAMPED INTO NEW CONCRETE AND SHALL BE CHISELED INTO EXISTING CONCRETE
3. THE "S" SHALL BE NOT LESS THAN 3" HIGH, 2" WIDE AND 3/16" DEEP
4. MAINTAIN MINIMUM 10' HORIZONTAL SEPARATION FROM WATER SERVICE
5. SEWER LATERALS SHALL NOT BE LOCATED IN DRIVEWAYS

|                          |   |                        |
|--------------------------|---|------------------------|
| DRAWN BY:<br>KGE         | CITY OF PASO ROBLES<br>ENGINEERING DIVISION | DRAWING NO.            |
| DESIGNED BY:<br>JF       |   | SEWER LATERAL LOCATION |
| DATE:<br>08/11           |   |                        |
| FILE NAME:<br>PR-F-5.DWG |   |                        |

# SPECIAL CONSTRUCTION REQUIREMENTS FOR SEWER MAINS PLACED IN CLOSE PROXIMITY TO WATER MAINS



PARALLEL CONSTRUCTION



PERPENDICULAR CONSTRUCTION

NOTE:  
THIS DESIGN CRITERIA MAY BE USED ONLY IN CASES WHERE NO REASONABLE  
OPTIONS FOR STANDARD SEPARATION OF WATER AND SEWER LINES CAN BE FOUND  
AS DETERMINED BY THE CITY ENGINEER.

|                          |  |             |
|--------------------------|--|-------------|
| DRAWN BY:<br>KGE         | CITY OF PASO ROBLES<br>ENGINEERING DIVISION  | DRAWING NO. |
| DESIGNED BY:<br>JF       | CALIFORNIA HEALTH<br>DEPARTMENT REQUIREMENTS | F-6         |
| DATE:<br>11/10           |  |             |
| FILE NAME:<br>PR-F-6.DWG |  |             |