PLAN VIEW

SEE DETAILS FOR COVER AND MANHOLE FRAME PER STD. DWG F–3

A.C. PAVEMENT
CONCRETE COLLAR–CLASS "A" 6 SACK 3000 PSI
3" OR 6" RISER RING

PRECAST CONCRETE MANHOLE WALLS SHALL CONFORM TO
ASTM STANDARD FOR CLASS II REINFORCED CONCRETE PIPE

JOINTS TO BE SET IN A WATERTIGHT SEALANT

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

SECTION A–A

CITY OF PASO ROBLES
ENGINEERING DIVISION

STANDARD SEWER MANHOLE
WITH PRECAST BASE

DRAWING NO. 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" DIAMETER 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.

PLAN VIEW

SECTION A-A

SEE DETAILS FOR COVER AND MANHOLE FRAME PER STD. DWG F-3

A.C. PAVEMENT
CONCRETE COLLAR—CLASS "A"
6 SACK 3000 PSI

3" OR 6" RISER RING

PRECAST CONCRETE MANHOLE WALLS SHALL CONFORM TO ASTM STANDARD FOR CLASS II REINFORCED CONCRETE PIPE

CUT HALF PIPE FOR CLEANING

WYE FLOW

45° BEND

JOINTS TO BE SET IN A WATERTIGHT SEALANT

ASTM 3034 SDR 35 PVC FOR DROP TEE, PIPE & 90° BEND

POURED IN PLACE CLASS "A" CONCRETE 6—SACK 3000 PSI

90° BEND

SEE DWG. F-1 FOR PIPE JOIN AT MANHOLE
CONCRETE COLLAR: CLASS "A", 6-SACK, 3000 PSI, 3/4" AGG.

SIDE PRY HOLE

FLOW

No. 4 REBAR ALL SIDES

SAWCUT

STANDARD COVER MARKING: "SANITARY SEWER"

OUTSIDE WALL OF MANHOLE

8" THICK CONC. 6" CL II AGG. BASE

FLOW

4"

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
No. 4 REBAR ALL SIDES

FRAME & COVER SOUTH BAY
MODEL 1247 FOR 8" PIPE
MODEL 1248 FOR 6" PIPE

SAWCUT

CLASS A P.C.C. 6-SACK
3000 PSI

No. 4 REBAR ALL SIDES

PIECE SIZE AND MATERIAL TO MATCH MAIN 6" MIN.

SAND CUSHION AS PER PIPE IN TRENCH DETAIL

SCREW CAP OR PLUG

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

CITY OF PASO ROBLES
ENGINEERING DIVISION

DRAWING NO.

SEWER CLEANOUT

F-4
SEWER MAIN
GUTTER FLOW LINE
GUTTER LIP
STRONG BACK COUPLER
1/8 BEND (45°)
4" MIN. DIA.
SEWER LATERAL

PROPERTY LINE
BACK OF CURB
BACK OF SIDEWALK
SIDWALK
VARIES
VARIES

WATERPROOF STOPPER & SEAL
12"

SEWER MAIN
MATERIAL
CLAY
PVC
LINE CLAY

REQUIRED
CONNECTION
CLAY WYE
PVC SADDLE
CORE & SADDLE

PLAN VIEW

"S"

CURB & GUTTER

SEWER MAIN

1/8 BEND (45°)

WYE

10' ABOVE SPRINGLINE

CITY OF PASO ROBLES
ENGINEERING DIVISION

SEWER LATERAL LOCATION

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:
KGE

DESIGNED BY:

DATE:
08/11

FILE NAME:
PR-F-5.DWG

DRAWING NO.
F-5
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.