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STORM DRAIN INDEX
NOTES:

1. THE INLET MAY BE MODIFIED SLIGHTLY TO MATCH EXISTING IMPROVEMENTS, AS DIRECTED BY THE CITY ENGINEER.

2. STRUCTURE SHALL BE 6 SACK CONCRETE. EXPOSED SURFACES SHALL BE FINISHED TO MATCH CURB AND SIDEWALK FINISH.

3. WHEN EMPLOYED AS OUTLET, PLACE GUTTER 6" BELOW TOP OF CURB GRADE AND ELIMINATE 1/2" IRON ROD FROM THROAT FORM.

4. CURB AND GUTTER SHALL BE CONSTRUCTED OR RECONSTRUCTED ON EACH SIDE OF BOX AS REQUIRED.
SECTION A - A

1/2" £ (SMOOTH) PROTECTION BAR
SEE NOTE 3 SHEET 2

NOTES:

1. ALL DIMENSIONS ARE FINISHED
DIMENSIONS.

2. ALL PARTS SHALL BE STRUCTURAL
GRADE STEEL.

3. ALL EXPOSED METAL PARTS SHALL BE
PAINTED. METAL PARTS IN CONTACT
WITH CONCRETE SHALL HAVE A COAL
TAR EPOXY COATING.

THROAT FORM & FRAME PLAN

ANCHOR
1/2" £X6"
(TYP. OF 8)

SIDE PLATE

BEND LINE

1-1/2"

5 1/2"

9-1/8"

3-3/8"

3-3/4"

5"

1/8" STEEL
PLATE

"CONST. 4" RADIUS
BEND IN PLATE

CENTER SUPPORT
BAR 3/4" £
(SMOOTH)

FRONT

THROAT FORM & FRAME PLAN

TACKWELD SIDE PLATE
ALL AROUND

3/8" CHECKERED PLATE

28"X46" CHECKERED PLATE

1/4" HOLE,
3 EA. SIDE

R=1/2"

2-3/4"

1/4"(TYP.)

3/16" ALL
AROUND

3/8"X 1"

1/4"(TYP.)

2-ANCHORS 6"X1/2"
ON SIDES & BACK

3/4" £ CENTER SUPPORT (SMOOTH)

1/2" £ PROTECTION BAR (SMOOTH)

TANGENT LINE FOR 4" RADIUS BEND
OF SIDEPLATE

1/8" PLATE THROAT SIDEPLATE
(SEE DETAIL)
NOTES:

1. 24” CONCRETE RISER PIPE SHALL BE ASTM C-76, CLASS III, RCP.

2. BREAK OUT RISER PIPE AND CUT LATERAL LINE NEATLY ALONG JOINT. FILL JOINT SPACE WITH GROUT.

3. ALL CONCRETE SHALL BE 6 SACK.

4. AT THE CONTACT POINT BETWEEN THE LATERAL LINE AND THE INLET WALL A SMOOTH 3” RADIUS CURVE SHALL BE CONSTRUCTED.

5. FLOOR OF THE INLET SHALL SLOPE TO THE LATERAL LINE AND SHALL BE GIVEN A STEEL TROWELLED FINISH.
NOTES:

1. ALL DIMENSIONS ARE FINISHED DIMENSIONS.

2. FRAME & GRATE SHALL BE CAST IRON.

3. GRATE SHALL BE INSTALLED SUCH THAT THE SLOTS ARE PARALLEL TO MAJOR DIRECTION OF DRAINAGE FLOW.

4. DRAIN INLET GRATE AND FRAME SHALL BE SOUTH BAY FOUNDRY C7 SBF 1000 OR APPROVED EQUAL.
SIDEWALK UNDERDRAIN PIPE

NOTES:
1. Pipe shall be one continuous length from property line to curb line.
2. Multiple pipes to be set a min. distance of D/2 apart. (see detail)
3. Concrete shall be 6 sack.
4. Pipe shall be circular asbestos cement, cast iron or rigid plastic.
5. Wire mesh to be installed in concrete above drain line.

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<td>PIPE DIA.</td>
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</tr>
<tr>
<td>4&quot;</td>
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<tr>
<td>6&quot;</td>
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CHANNEL MATERIAL TO BE STD. GALV. OR EQUIV., UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
NOTES:

1. ALL DIMENSIONS ARE FINISHED DIMENSIONS.

2. FRAME & GRATE SHALL BE CAST IRON.

3. FRAME AND COVER SHALL BE SOUTH BAY FOUNDRY A62 SBF 1000 OR APPROVED EQUAL.

SET WEIGHT
COVER- 155 LBS.
FRAME- 165 LBS
TOTAL 320 LBS.
NOTES:

1. ALL STRAIGHT PIPE SHALL BE LAID THROUGH MANHOLES WITH TOP HALF REMOVED AND ROUGH EDGES MORTARED SMOOTH.

2. QUARTER TURNS SHALL BE CONSTRUCTED TO FORM A SMOOTH FLOW-LINE OF SAME SHAPE AND PATTERN AS BOTTOM OF PIPE.

3. MANHOLE BARREL SECTIONS, CONICAL SECTIONS, AND ADJUSTMENT RINGS SHALL CONFORM TO ASTM C478.

4. ALL REINFORCING STEEL EXPOSED SHALL BE COATED WITH 2" OF CONCRETE.

SEE PLAN FOR FLOW-LINE ELEVATIONS AND SIZE OF PIPE. ENLARGED BASE OPTIONAL, TO TOP OF PIPE. SURFACE OF BASE AND CONCRETE FLOW-LINE TO EQUAL SMOOTHNESS OF PIPE. BASE SHALL BE Poured IN PLACE WITH 6 SACK CONCRETE. BASE MAY BE MADE ROUND OR SQUARE.
NOTES:

1. ALL STRAIGHT PIPE SHALL BE LAID THROUGH MANHOLES WITH TOP HALF REMOVED AND ROUGH EDGES MORTARED SMOOTH.

2. ALL EXPOSED REINFORCING SHALL BE COATED WITH 2" OF CONCRETE.

3. MANHOLE BARREL SECTIONS CONICAL SECTIONS, AND ADJUSTMENT RINGS SHALL CONFORM TO ASTM C478.

4. SEE PLAN FOR FLOWLINE ELEVATIONS AND SIZE OF PIPE. ENLARGED BASE OPTIONAL, TO TOP OF PIPE. SURFACE OF BASE AND CONCRETE FLOWLINES TO EQUAL SMOOTHNESS OF PIPE.

5. BASE SHALL BE POURED IN PLACE WITH 6 SACK CONCRETE. BASE MAY BE MADE ROUND OR SQUARE.
NOTES:

1. ALL STRAIGHT PIPE SHALL BE LAID THROUGH MANHOLES WITH TOP HALF REMOVED AND ROUGH BROKEN EDGES MORTARED SMOOTH.

2. QUARTER TURNS SHALL BE CONSTRUCTED TO FORM A SMOOTH FLOW-LINE OF SAME SHAPE AND PATTERN AS BOTTOM OF PIPE.

3. ALL EXPOSED REINFORCING STEEL SHALL BE COATED WITH 2” OF CONCRETE.

4. MANHOLE BARREL SECTIONS, CONICAL SECTIONS, AND ADJUSTMENT RINGS SHALL CONFORM TO ASTM C478.

5. SEE PLAN FOR FLOWLINE ELEVATIONS AND PIPE SIZE. ENLARGED BASE OPTIONAL TO TOP OF PIPE, SURFACE OF BASE AND CONCRETE FLOWLINES TO EQUAL SMOOTHNESS OF PIPE.

6. BASE SHALL BE POURED IN PLACE WITH 6 SACK CONCRETE. BASE MAY BE MADE ROUND OR SQUARE.
NOTE:
ALL EXPOSED STEEL SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
<table>
<thead>
<tr>
<th>REVISION DATE</th>
<th>CITY OF FOWLER</th>
<th>STD.DWG.</th>
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<tbody>
<tr>
<td>1-06-09</td>
<td>DRAIN BASIN INLET STRUCTURE</td>
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NOTE:
ALL EXPOSED STEEL SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.

* WIDTH OF TRASH GRATE VARIES WITH PIPE DIAMETER 1" INSIDE WALL CLEARANCE. SEE SHEET 4 OF 4.

TRASH GRATE DETAIL
HINGE PLATE

1/2" ANCHOR BOLT
(TYP. OF 3 )

CENTER SUPPORT BEAM
ST. 1.5 X 3.75
(TEE BEAM )

HINGE PLATE

CRATE HINGE
4" LONG X 3/4" PIPE
WELDED TO BENT PLATE
(TYP. OF 3 HINGES)

1/4" X 4" BENT PLATE
WELD ANGLE & TEE BEAM
TO 1/4" X 4" WIDE BENT
PLATE.

1-1/2" X 1-1/2" X 3/8"
ANGLE IRON.

3/4" SMOOTH BARS (TYP )
SEE PLAN SHT. 3 OF 4

WELD FRANCE ANGLE
TO 4" X 1/4" PLATE

WELD TEE BEAM
TO 4" PLATE

4" CHANNEL

WELD TO CHANNEL

1/2" X 4"
'J' BOLT

BASE PLATE

ANCHOR BOLT

WELD PIPE TO
BENT PLATE

WELD 3/4" PIPE SECTION TO
ANGLE PLATE (TYP. OF 2 )
@ EACH HINGE LOCATION,
3 - HINGES REQ.

1/8" KEEPER PIN
(TYP. OF 2 )

1/2" MIN. WALL
CLEARANCE (TYP)

1/8" TYP.

1" CLEAR

4" MIN.

HINGE DETAIL

NOTE:
FRAME AND CRATE SHALL BE
HOT DIP GALVANIZED AFTER
FABRICATION.