

[illegible]

Diagram showing a rectangular area with dimensions and text:

- Top dimension: 48"
- Right dimension: 29 1/4"
- Bottom dimension: 52"
- Left dimension: 2"
- Right dimension: 2"
- Text inside the rectangle:
 - DEETER #2434 (OR EQUAL)**
 - (REQUIRES TWO GRATES)
 - OPEN AREA 368 SQ. IN.
 - 2.56 SQ. FT.

IF ASPHALT PAVEMENT,
CONSTRUCTION LIMITS
FOR CONCRETE TOP.

24 3/4"

2 1/4"

1 1/2"

18" TYP.

2" TYP.

NO.1 COMMON BRICK

FLOOR SHAPING
(8 SACK SAND MIX)

VARIES

FLOOR SHAPING
(8 SACK SAND MIX)

STD. CONC. PAVING MIX

3'-6"

NO 4 BARS @ 12" CTRS.
BOTH WAYS

IF ASP

—FLOOR SHAPING
(8 SACK SAND MIX)

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— IF ASPHALT PAVEMENT,
CONSTRUCTION LIMITS
FOR CONCRETE TOP.

BRICK MASONRY

FLOOR SHAPING
(8 SACK SAND MIX)

STD. CONC. PAVING MIX

NO 4 BARS @ 12" CTRS.
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ORIFICE EQUATION		
	Q=C*A* $\sqrt{2gh}$	C=0.60
h (DEPTH)	#2433 (SINGLE)	#2434 (DOUBLE)
0.1	1.95 cfs	3.89 cfs
0.2	2.75 cfs	5.50 cfs
0.3	3.37 cfs	6.74 cfs
0.4	3.89 cfs	7.78 cfs
0.5	4.35 cfs	8.70 cfs
0.6	4.77 cfs	9.53 cfs
0.7	5.15 cfs	10.30 cfs
0.8	5.50 cfs	11.01 cfs
0.9	5.84 cfs	11.67 cfs
1.0	6.15 cfs	12.30 cfs

CITY OF WICHITA, KANSAS			
Design C.O.W.	Checked by	Checked by	
Drawn by	Date	Date	Job No.