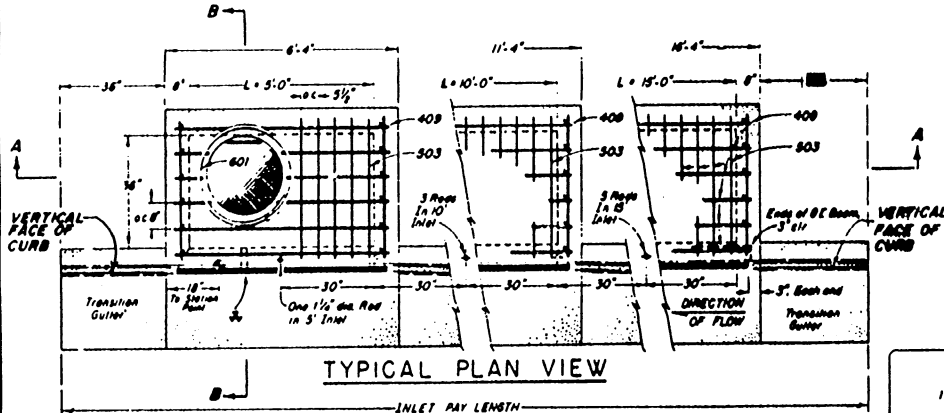


3 3/4" IF 6" VERTICAL CURB & GUTTER,
6 1/4" IF 8" VERTICAL CURB & GUTTER

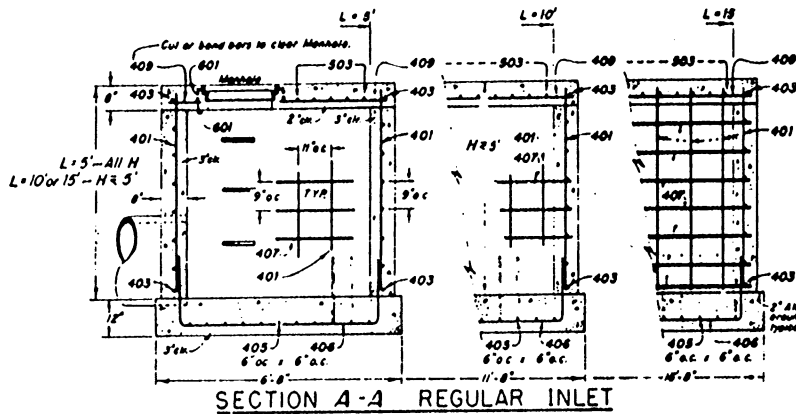
NOTE:

FOR ALL INLETS ON A CONTINUOUS GRADE, THE UPSTREAM TRANSITION GUTTER LENGTH SHALL BE 10 FEET. FOR ALL OTHER LOCATIONS, TRANSITION LENGTHS SHALL BE 3 FEET MINIMUM. ADDITIONAL 10 FEET TRANSITION NEEDED IF NORMAL RAMP CURB & GUTTER.

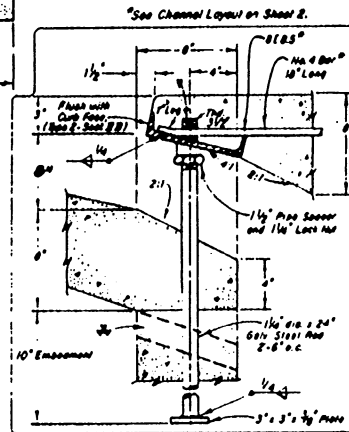


TYPICAL PLAN VIEW

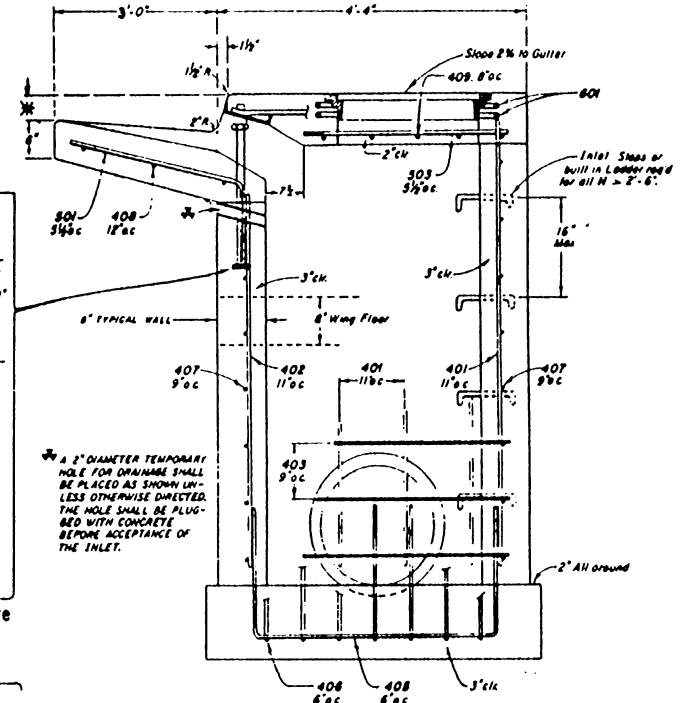
INLET PAY LENGTH



SECTION A-A REGULAR INLET

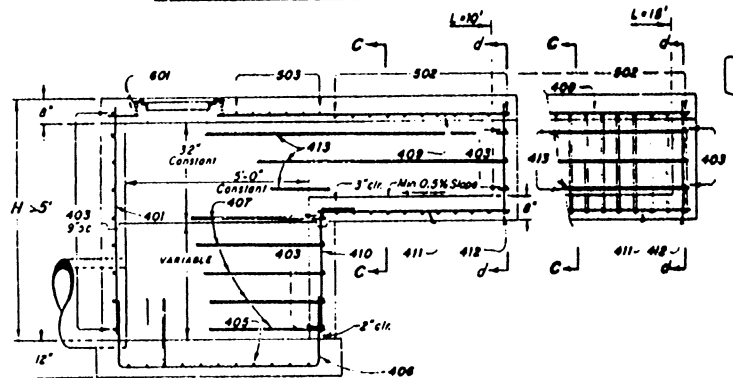


CURB FACE ASSEMBLY. Place Entire Assembly Before Pouring Concrete.

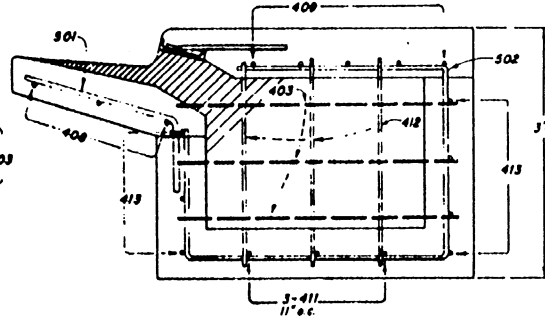


SECTION B-B
TYPICAL END VIEW

NOTE: MANHOLE RING & COVER, STATION POINT AND OUTFLOW PIPE ARE TO BE LOCATED AT THE SAME END OF THE INLET.



SECTION A-A INLET WITH DROP BOX - H > 5'



(Dotted Bars are in Section d-d)

SECTIONS C-C & d-d

SPECIAL DESIGN INLET

CITY OF COLORADO SPRINGS, COLORADO			
COLORADO DEPARTMENT OF HIGHWAYS CURB INLET TYPE R (MODIFIED)			
APPROVED BY: <i>Gary R. Haynes</i> CITY ENGINEER			
SCALE AS SHOWN	DATE REV. 1/88	DWN. BY JLO	D-19 A SHT. 1 OF 2

NOTE: THIS IS A SPECIAL DESIGN INLET TO BE USED ONLY WITH PRIOR APPROVAL BY THE CITY ENGINEER.

REVISED JAN'89 PLB SPECIAL DESIGN INLET

GENERAL NOTES

All work shall be done in accordance with the Standard Specifications applicable to the project.

All concrete shall be Class A or B (CDOM).

Concrete walls shall be formed on both sides and shall be 8" thick.

Inlet steps shall be as shown on the applicable (CDOM) Division "M" Standard.

Curb face assembly shall be galvanized after welding.

Exposed concrete corners shall be beveled to a 1-1/2" face. Curb and gutter corners shall be finished to match the existing curb and gutter beyond the transition gutter.

All reinforcing bars shall be tagged with bar designation and station number.

Reinforcing bars shall be deformed and shall be of intermediate grade steel.

Dimensions and weights of typical manhole ring and cover are nominal.

All bars shall be a minimum 2" clear.

Since pipe entries into the inlet are variable, the dimensions shown are typical. Actual dimensions and quantities for concrete and reinforcement shall be as required in the work.

Quantities include volumes occupied by pipes.

Structural steel shall be galvanized and shall conform to the requirements of Section 509 (CDOM).

TABLE ONE - BAR LIST FOR CURB INLETS, TYPE R

MARK	DIA in	o.c. Spacing	TYPE	ALL INLETS			INLETS, H ≥ 5'			INLETS, H > 5'			
				L = 5'			10'			15'			
				No. Req'd	Length	Weight	No. Req'd	Length	Weight	No. Req'd	Length	Weight	No. Req'd
401	11"	11"	II	15	#	21	#	26	#	11	#	11	#
402	11"	11"	II	7	#	13	#	18	#	7	#	7	#
403	9"	11"	II	#	4'-0"	#	4'-0"	#	4'-0"	#	4'-0"	#	4'-0"
405	6"	VI	11	6'-10"	21	6'-10"	31	6'-10"	11	6'-10"	11	6'-10"	
408	6"	VIII	7	13'-10"	7	13'-10"	7	13'-10"	7	6'-10"	7	6'-10"	
407	1/2"	9"	II	#	5'-10"	#	10'-10"	#	15'-10"	#	5'-10"	#	5'-10"
408	12"	II	3	6'-0"	3	11'-0"	3	16'-0"	3	11'-0"	3	16'-0"	
409	8"	II	6	5'-10"	6	10'-10"	6	15'-10"	6	10'-10"	6	15'-10"	
410	11"	VII							3	#	3	#	
411	11"	II							3	5'-2"	3	10'-2"	
412	11"	II							3	2'-9"	3	2'-9"	
413	9"	II							7	10'-10"	7	15'-10"	
501	3 1/2"	IV	11	4'-4"	22	4'-4"	33	4'-4"	22	4'-4"	33	4'-4"	
502	3 1/2"	III							11	11'-5"	22	11'-5"	
503	3 1/2"	II	5	3'-6"	16	3'-6"	27	3'-6"	6	3'-6"	6	3'-6"	
601	1/4"	2 1/2"	V	2	8'-10"	2	8'-10"	2	8'-10"	2	8'-10"	2	8'-10"
REGS				1	5'-10"	1	10'-10"	1	15'-10"	1	10'-10"	1	15'-10"
7				2 Bars, 1 Rod		4 Bars, 3 Rods		6 Bars, 5 Rods		4 Bars, 3 Rods		6 Bars, 5 Rods	

* Variable, refer to Table TWO

* Include 18" No 4 Bars (See Channel Layout Detail).

* See Curb Face Assembly on Sheet 1 and Channel Layout Details on this sheet

TABLE TWO - BARS AND QUANTITIES VARIABLE WITH H

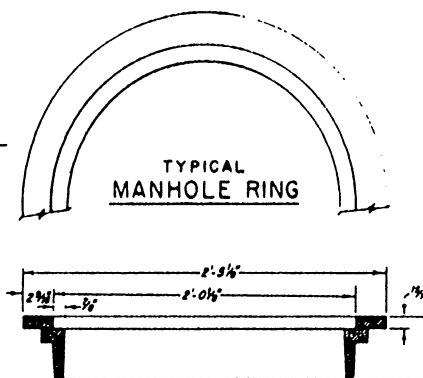
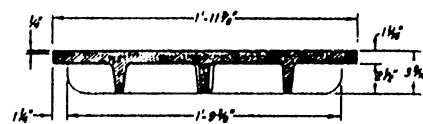
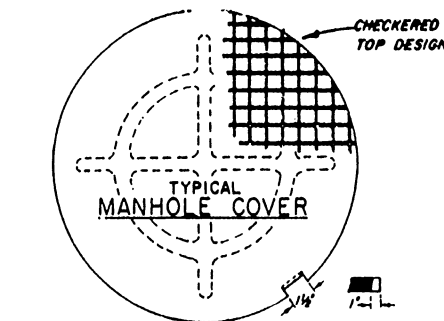
H	Length	REGULAR INLETS		DROP BOX INLETS		L = 5'		L = 10'		L = 15'	
		No. Bars	Drop Bars	No. Bars	Drop Bars	Cuts Conc. LB Steel	Cuts Conc. LB Steel	Cuts Conc. LB Steel	Cuts Conc. LB Steel	Cuts Conc. LB Steel	Cuts Conc. LB Steel
3'-0"	2'-8" 1'-8"	10	7	403	407	3.2	285	5.3	497	7.4	706
3'-6"	3'-8" 2'-2"	10	7			3.4	303	5.7	528	7.9	747
4'-0"	3'-8" 2'-8"	12	9			3.7	326	6.0	559	8.4	786
4'-6"	4'-8" 3'-2"	12	9			3.9	334	6.4	571	8.8	803
5'-0"	4'-8" 3'-8"	14	11			4.1	354	6.7	602	9.3	844
5'-6"	5'-2" 4'-2"	16	13	15	6	4.4	375	6.0	607	7.5	840
6'-0"	5'-8" 4'-8"	16	13	16	6	4.6	382	6.2	616	7.7	850
6'-6"	6'-2" 5'-2"	18	15	18	8	4.8	402	6.4	637	7.9	870
7'-0"	6'-8" 5'-8"	20	17	19	10	5.0	423	6.6	654	8.1	887
7'-6"	7'-2" 6'-2"	20	17	20	10	5.3	430	6.9	664	8.4	897
8'-0"	7'-8" 6'-8"	22	19	22	12	5.5	451	7.1	684	8.6	917
8'-6"	8'-2" 7'-2"	24	21	23	14	5.7	471	7.3	702	8.8	934
9'-0"	8'-8" 7'-8"	24	21	24	14	6.0	479	7.6	711	9.1	944
9'-6"	9'-2" 8'-2"	26	23	26	16	6.2	499	7.8	731	9.3	964
10'-0"	9'-8" 8'-8"	28	25	27	18	6.4	520	8.0	749	9.5	982
10'-6"	10'-2" 9'-2"	28	25	28	18	6.7	527	8.3	759	9.8	991
11'-0"	10'-8" 9'-8"	30	27	30	20	6.9	547	8.5	779	10.0	1012

NOTE: For L=5', L=10 and L=15'

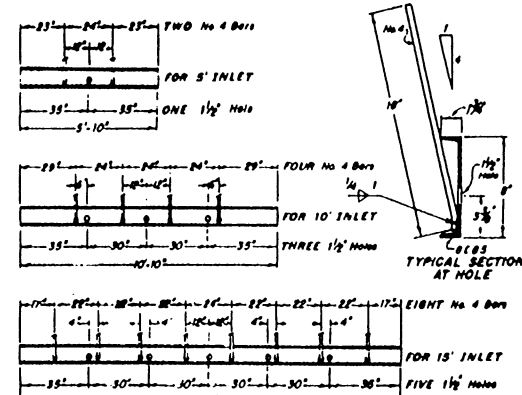
REGULAR INLETS: Total quantities needed are OUTSIDE of the heavy block line.

DROP BOX INLETS: Total quantities needed are INSIDE of the heavy block line.

STEEL WEIGHTS DO NOT INCLUDE STRUCTURAL STEEL.



Approximate Weights:
 Cover = 125 lbs.
 Ring = 135 lbs.
 TOTAL = 260 lbs.

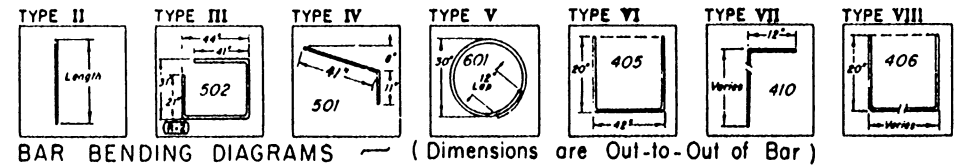


SPECIAL DESIGN INLET

CITY OF COLORADO SPRINGS, COLORADO.
 COLORADO DEPARTMENT OF HIGHWAYS
 CURB INLET TYPE R (MODIFIED)

APPROVED BY: Gary R. Haynes
 CITY ENGINEER

SCALE AS SHOWN DATE SEPT. 87 DWN. BY JLO D-19B SHT. 2 OF 2



NOTE: FOR ALL INLETS, WHERE A 10' UPSTREAM TRANSITION GUTTER IS USED, THE CONCRETE QUANTITY SHALL BE APPROX. 0.4 C.Y. MORE THAN THAT SHOWN.

NOTE: THIS IS A SPECIAL DESIGN INLET TO BE USED ONLY WITH PRIOR APPROVAL BY THE CITY ENGINEER.