STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

7-06

METRIC STANDARD DRAWING FOR

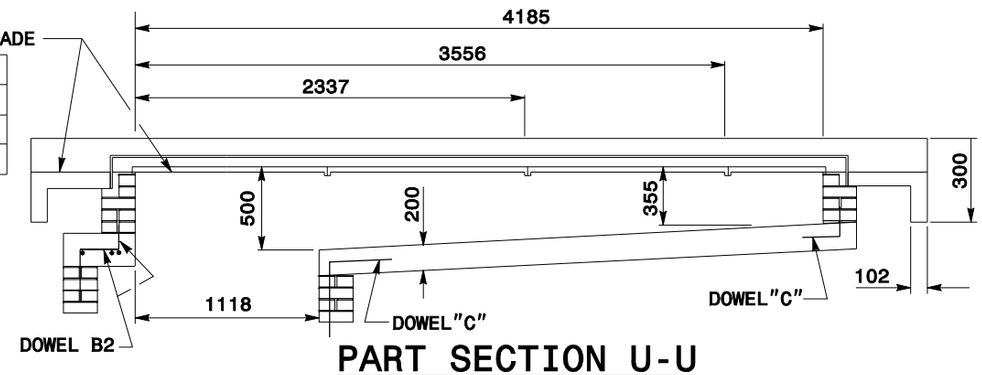
BRICK MEDIAN DROP INLET TYPE "A"

300mm THRU 1800mm PIPE

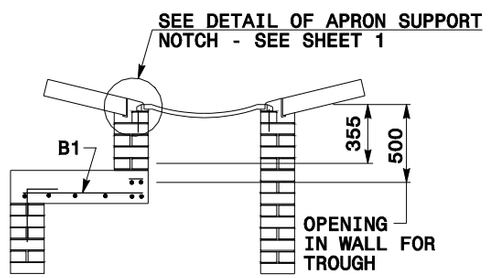
MIN. DIMENSIONS AND QUANTITIES FOR CONCRETE INLET(BASED ON MIN. HEIGHT, H)

DIMENSIONS OF BOX AND PIPE						REINFORCING STEEL - NO. 13 BARS									m^3 CONC. IN BOX				m^3 BRICK MASONRY IN BOX		BRICK AND CONCRETE TOTAL	DEDUCTIONS FOR ONE PIPE	
PIPE	SPAN	WIDTH	SPAN	WIDTH	HEIGHT	BARS E		BARS F		BARS G		BARS H		TOTAL kg.	TOP SLAB	BASE	APRON	TOTAL	H TOTAL	H PER m HT		C.S.	R.C.
D	J	K	L	M	H	QTY	LENGTH	QTY	LENGTH	QTY	LENGTH	QTY	LENGTH										
300	1118	610	1118	610	1143	—	—	—	—	—	—	—	—	—	—	0.235	0.268	0.504	0.995	0.868 ABOVE MIN H	1.499	0.015	0.024
375	1118	610	1118	610	1219	—	—	—	—	—	—	—	—	—	—	0.235	0.268	0.504	1.076		1.580	0.023	0.035
450				610	1295	—	—	—	—	—	—	—	—	—	—	0.235		0.504	1.125		1.629	0.033	0.049
600				864	1448	8	381	6	1448	—	—	—	—	12	0.141	0.295		0.705	1.258	0.868	1.963	0.059	0.086
750			1118	1041	1600	8	559	7	1448	—	—	—	—	15	0.230	0.313		0.812	1.480		2.292	0.093	0.130
900			1168	1168	1753	8	686	8	1473	4	178	2	1499	21	0.286	0.377		0.932	1.672		2.604	0.134	0.182
1050			1372	1372	1905	10	889	9	1702	4	381	3	1702	31	0.424	0.481		1.174	2.077		3.251	0.183	0.247
1200			1524	1524	2057	11	1041	10	1854	4	533	4	1854	39	0.539	0.568		1.375	2.463	H	3.838	0.239	0.322
1350			1676	1676	2210	12	1194	11	2007	4	686	5	2007	49	0.663	0.661		1.593	2.895		4.488	0.302	0.409
1500			1880	1880	2362	13	1397	12	2210	4	889	6	2210	61	0.844	0.796		1.909	3.594		5.503	0.373	0.504
1650			2057	2057	2515	14	1575	14	2388	4	1067	7	2388	76	1.015	0.925		2.209	3.967		6.176	0.451	0.610
1800	1118	610	2235	2235	2667	15	1753	15	2565	4	1245	8	2565	90	1.199	1.063	0.268	2.531	4.552	0.868	7.083	0.538	0.726

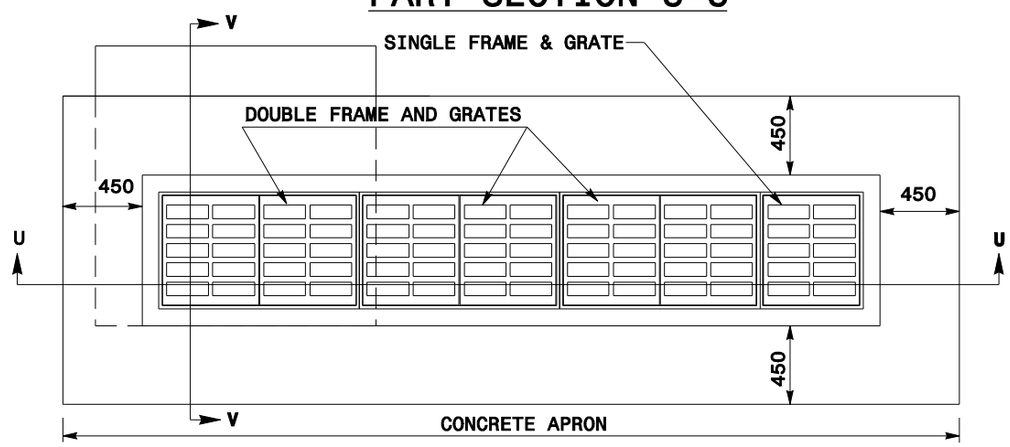
QUANTITY TO BE ADDED FOR EACH 610mm INCREMENT INLET OPENING						
ADDITIONAL INLETS	610	1219	1829	2438	3048	3658
CONCRETE m^3	0.146	0.318	0.508	0.685	0.875	1.055
CONCRETE APRON m^3	0.049	0.100	0.151	0.201	0.251	0.302

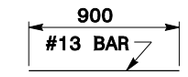


PART SECTION U-U



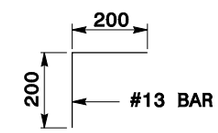
PART SECTION V-V



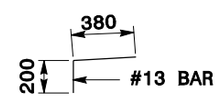


DOWEL-B1

FOR 300mm THRU 900mm INLET



DOWEL-B2



DOWEL-C

Note:
This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.

SHEET 2 OF 2

840.26

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