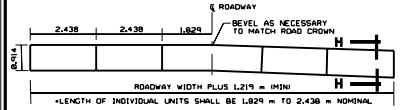
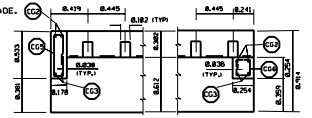
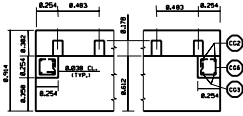
NOTE:
TOP OF THE CATTLE GUARD SHALL BE PARALLEL TO THE HIGHWAY PROFILE GRADE. UNITS SHALL BE ROTATED TO ACCOMPLISH THIS IF REQ'D.



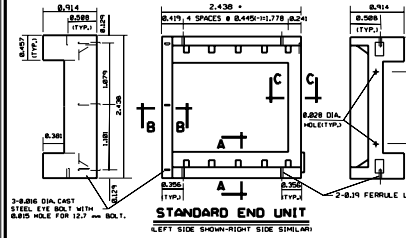
TYPICAL CATTLE GUARD INSTALLATION



SECTION B-B SECTION C-C

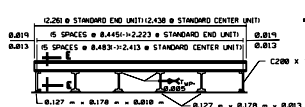


SECTION D-D

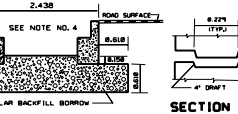


STANDARD END UNIT

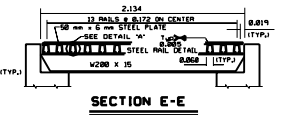
*LEFT SIDE SHOWN-RIGHT SIDE SIMILAR



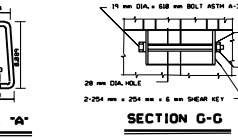
TRAFFIC GRILL UNIT



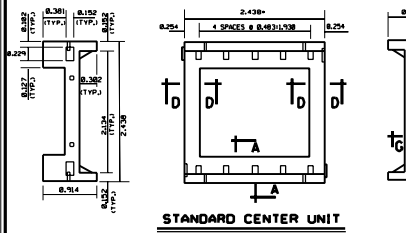
SECTION H-H SECTION F-F



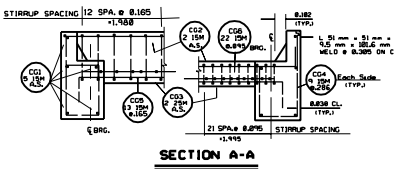
SECTION E-E



DETAIL "A" SECTION G-G



STANDARD CENTER UNIT



SECTION A-A

SEE NOTES ON SHEET 760-1A

REINFORCING STEEL SCHEDULE

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH
CG1	CATTLE GUARD	15	18	2.362	23.620	
CG2	CATTLE GUARD	15	4	2.870	11.430	A 2.362 B 0.254
CG3	CATTLE GUARD	25	4	2.514	10.364	A 2.083 B 0.254
CG4	CATTLE GUARD	15	16	2.133	38.294	0.533 0.381 2.438

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH
CG5	CATTLE GUARD	15	13	1.270	16.510	0.457 0.152 0.152
CG6	CATTLE GUARD	15	22	.914	17.908	0.457 0.178 0.178 0.178 0.178

STRUCT. STEEL PER UNIT

ITEM	NO. REQ'D	SIZE	LENGTH
BEAM	4	W200 x 15	2.134
CHANNEL	2	C200 x 17	2.134
RAIL/END UNIT	13		2.286
RAIL/CENTER UNIT	13		2.438
ANGLE	2	L51 x 51 x 6.4	2.438
STUD ANCHOR	16	18 mm DIA.	0.182

ALL DIMENSIONS ARE SHOWN IN METERS (m) UNLESS OTHERWISE NOTED.

NO.	DATE	REVISIONS	REMARKS
1.	10/14/97	EXTENDED GRIDLINE & ADDED BORROW AREA IN SECTION H-H	
2.	8/27/98	B.A. CORRECT BAR DESIGNATION.	

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL: APR 27, 1998 DATE
CHAIRMAN, STANDARDS COMMITTEE
APPROVED: APR 27, 1998 DATE
DEPUTY DIRECTOR

(METRIC)

PRECAST CONCRETE CATTLE GUARD

STANDARD DRAWING TITLE

STD. DWG. NO.
760-1B