

NO

			ST.	ATE	PROJECT	SHEET NUMBEI
OTE:						
ype 7A has a single gutter when inlet is on a grade.						
ype 7B has a double gutter when inlet is in a sag etween two grades.						
itch to be warped to tie smoothly into inlet gutter.						
utside dimensions of grate to be 1000 x 890 mm.						
aximum depth (H) is 3800 mm.						
ll reinforcing bars are #16 placed a minimum 40mm ear from face of concrete. In floors, place bars on 150mm enters each way. In walls, place horizontal bars on 150mm enters and vertical bars on 300mm centers.						
alvanize grate after fabrication in accordance with ASHTO M 111.						
lternate methods of anchoring angle iron will be cceptable if approved by the CO.						
imensions without units are millimeters.						
AP		-	JANTITI	IES		
1)	300 600	375 690	450 775	600 940	750	900 1270
')	0.690	0.769	0.844	0.989		1.280
1 ³						
ncrete	0.264 m ³ for each additional 300 mm of depth (H) Type 7A: 0.528 m ³					
	Туре 7В: 0.864 m³					
re)	0.301 m³					
steel	28.5 kg					
48.3 OD double-extra strong steel pipe at 9.56 kg/m (ASTM A 53). 50.8 dia. solid steel bar at 15.89 kg/m may be substituted. L 51 x 51 x 9.5 (2 at 890 required) Weld						
ETAIL A						
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY						
METRIC STANDARD INLET TYPE 7A AND 7B FOR 300 TO 900 CULVERT						
) SCALE	REV	STANDAF ISED: 5/1997	RD APPROVED	FOR USE 3	/1996	standard M604-8
						11004-0