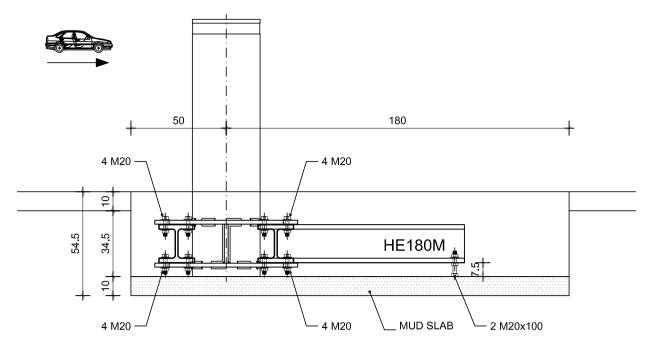


SECTION B-B



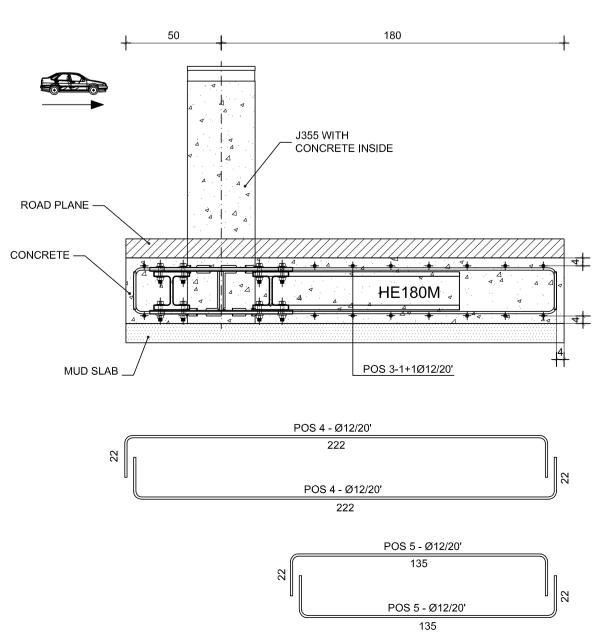
REBAR SCHEDULE (for 3 bollards)					
pos.	n°	ϕ	L (cm)	W (kg)	
1	16	12	500	71,03	
2	16	12	126	17,90	
3	12	12	126	13,42	
4	32	12	266	75,57	
5	12	12	179	19,07	
		total weight of rebar 196,9			
	-				

VOLUME OF CONCRETE				
for mud slab and bollard	mc	1,44		
for foundation	mc	4,04		
VOLUME OF DIGGING	mc	6,39		
WEIGHT OF 3 BOLLARDS	Kg	1125,00		
WEIGTH OF 9 HE 180 M	Kg	828,00		

(for 4 or more bollards) see rebar					
schedule + additional bollards from chart below					
n°	ϕ	L (cm)		W (kg)	
16	12	500+	130	18,47	
6	12	266		14,17	
4	12	179		6,36	
	total weight of rebar			38,99	
VOLU	VOLUME OF CONCRETE				
	for mud slab and bollard			0,39	
	for foundation			1,03	
VOLU	VOLUME OF DIGGING			1,62	
WEIGH	WEIGHT OF BOLLARD			375,00	

WEIGTH OF 3 HE 180 M	Kg	276,00

SECTION B-B



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MATERIALS + SPECIFICATION								
	CONCRETE							
	Resistance class	Type of cement	water/cement ratio (weight)	Consistance slump [mm]	Exposure class (EN206-1)	max. aggregate diameter	min. rebar cover (EC2)	additives
MODERATE EXPOSURE	C25/30	Portland 325/425	0.60	S4-160/210	XC2	20-25 mm	4.0 cm	thinner
SEVERE EXPOSURE	C30/37	Portland 325/425	0.55	S4-160/210	XD1	20-25 mm	4.0 cm	thinner
MUD SLAB CONCRETE	C12/15	Portland 325			X0	20-25 mm		
MATURATION RULES(UNI EN 13670-1:02)Formwork removal time48 hoursMax resistance28 days								
REBAR								
IRON B450C or N20								

CONCRETE COVERS MUST BE GUARATEED BY SUITABLE MESH SPACERS

ALL DIMENSIONS MUST BE CHECKED ON SITE BEFORE TO BEGINNING WORK



Code 532173

Revision Α