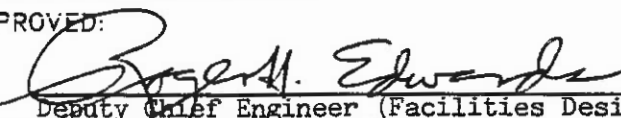


TO: Director, Preliminary Plan Review Bureau SUPERSEDED BY EI 78-016 EFFECTIVE 6/15/1978	ENGINEERING INSTRUCTION	
	NEW YORK STATE DEPARTMENT OF TRANSPORTATION	
	SUBJECT: CONCRETE MEDIAN BARRIER	
	Subject Code: 7.27-2-606	
Distribution:	<input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input type="checkbox"/> Special	Code: <u>EI 77-42</u>
APPROVED:	 Deputy Chief Engineer (Facilities Design Subdivision)	Date: <u>9/26/77</u>
		Supersedes: MODIFIES EI 75-093 DATE 12/16/75

Effectively immediately, Standard Sheet 606-5R1 "Concrete Median Barrier" is rescinded. A new standard sheet will be issued soon. In the meantime, the attached details shall be used in plans currently being designed. This change does not affect ongoing construction projects.

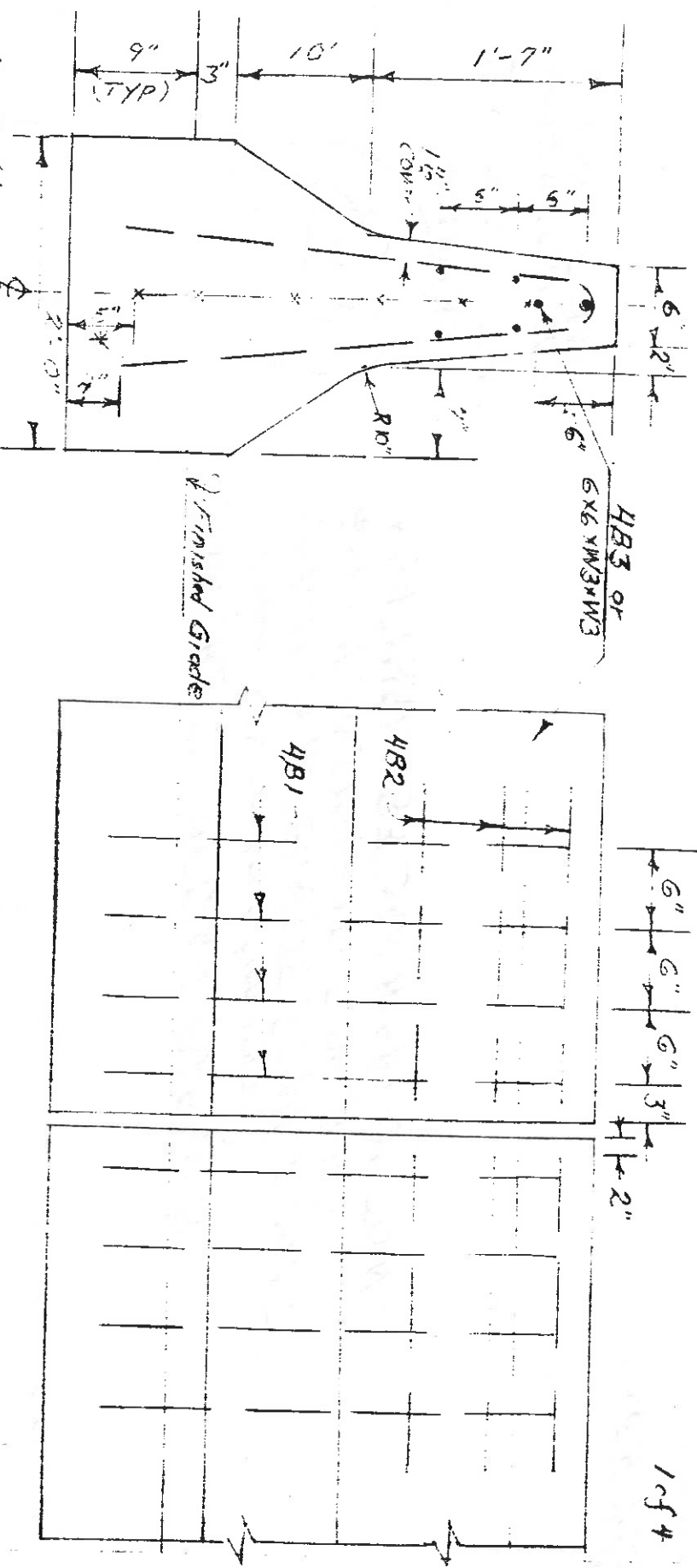
The Type "A" section is to be used on all roadways where lamp post accommodations on top of the median barrier are not required. The Type "B" section is to be used on all roadways where lamp post accommodations on top of the median barrier are required.

We are changing the shape of our concrete median barrier to the N.J. (MB5) from the modified G.M. (MB6) for the following reasons:

1. Extensive research has been made on both the N.J. (MB5) and the G.M. (MB6) and it has been determined that the slope of the upper surface of the G.M. (MB6) is more conducive to vehicle climb.
2. Observation of vehicles impacting the concrete median barrier showed the redirection of the vehicle occurred sooner with the NJ (MB5) shape.
3. Based on baseline crash test results of the research program, the NJ (MB5) shape appeared to be the most desirable of the two standard shapes due to its superior performance in subcompact vehicle tests.

RHE:WEH:BB

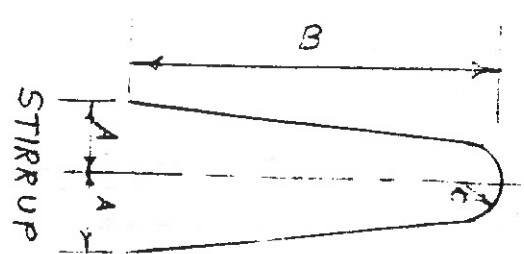
PREL.	FINAL
LANDSCAPE	
RECEIVED FACILITIES DESIGN SUBDIVISION	
OCT 06 1977	
DESIGN	DESIGN



* Bottom of mesh if used

TYPE "A"

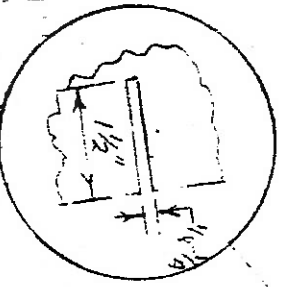
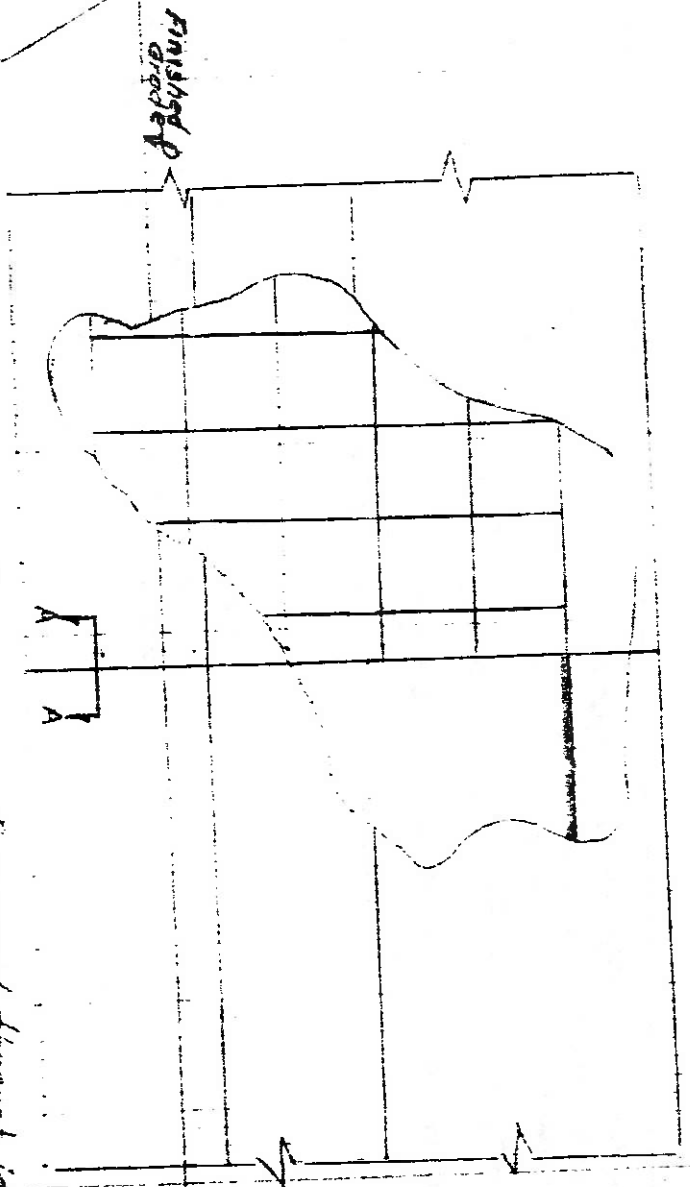
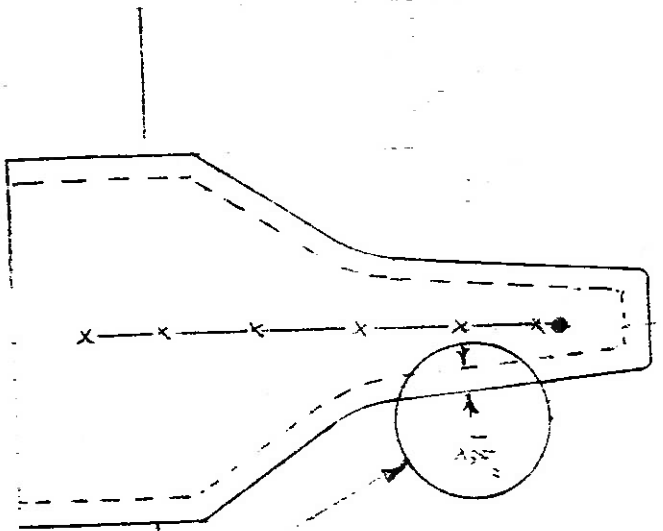
CONCRETE MEDIUM BARRIER
(shown with open or expansion joint)
CAST-IN-PLACE OR SLIPFORM



BAR LIST

MARK	SIZE NO.	LENGTH	TYPE	A	B	C	LOCATION
4B1	4	5'-11"	Stirrup	5 1/4	34	1 1/2	4m each side of open or expansion joint
4B2	4	2'-0"	Straight				5m each side of open or expansion joint
4B3 or 6x6 W3xW3	4	1	Stringer or Mesh				Continuous from open or expansion joint to open or expansion joint and through contraction joints.

W 7/2/85

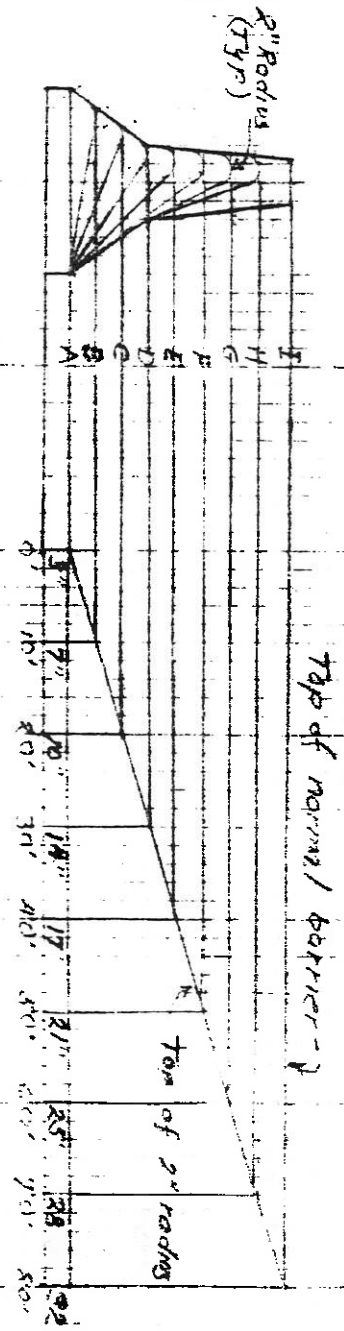


SECTION AA
CONTRACTION JOINT
SHOWING DEPTH AND
WIDTH OF KERF

CONCRETE MEDIAN BARRIER
(shown with contraction joint)
SHOWING ALTERNATE REINFORCEMENT
6x6xW3xW3 MESH LEFT OF JOINT
NO 4 "MARK 4B3" BAR RIGHT OF JOINT

Carry reinforcement through joint.

C. L. E. H. 7/11/77



TRANSITION END DETAILS

Notes.

1. The 9" embedment is typical for need only reconstructed medians.
2. Free standing half sections, barriers on structures and special sections will be detailed on the plans.
3. Any variation of the 9" (typ.) embedment will be detailed on the plans.
4. Back up systems for half sections will be detailed on the plans.
5. End treatments for half sections will be detailed on the plans.
6. Reinforcement shown is for slipformer for cost in place barriers.

WEH. 7/3/77