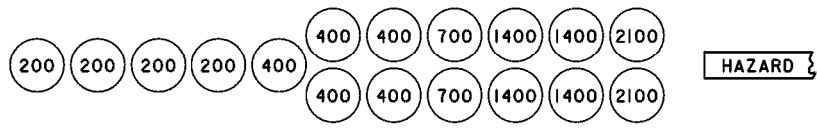
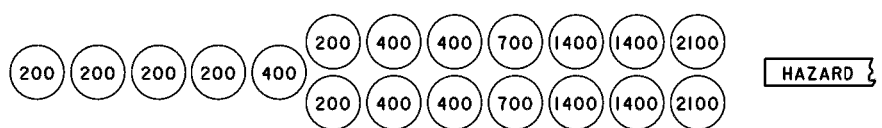


DESIGN SPEED = 60 M.P.H.




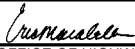
DESIGN SPEED = 65 M.P.H. (SEE NOTE 5)



DESIGN SPEED = 70 M.P.H. (SEE NOTE 5)

**NOTES:**

1. THE CIRCLES REPRESENT THE BARRELS. THE NUMBER INSIDE THE BARREL INDICATES THE WEIGHT OF SAND IN POUNDS.
2. 2'-6" MIN. CLEARANCE TYPICAL BOTH SIDES APPLICABLE TO ALL ARRAY APPLICATIONS.
3. SAND BARRELS SHALL BE LOCATED TO SHIELD THE HAZARD FROM SIDE ANGLE IMPACTS.
4. SPACING BETWEEN BARRELS SHALL BE 6" MINIMUM.
5. THE DESIGN VELOCITY SPEEDS OF 65 AND 70 MPH EXCEEDS MASH AND NCHRP REPORT 350 TEST LEVEL 3 IMPACT CONDITIONS. TYPICAL IMPACTS INTO THIS ARRAY MAY NOT RESULT IN ACCEPTABLE CRASH PERFORMANCE AS DESCRIBED IN MASH AND NCHRP REPORT 350 RELATIVE TO STRUCTURAL ADEQUACY, OCCUPANT RISK AND VEHICLE TRAJECTORY.

SPECIFICATION <b>104 &amp; 606</b>	CATEGORY CODE ITEMS	 <b>MARYLAND DEPARTMENT OF TRANSPORTATION</b> STATE HIGHWAY ADMINISTRATION  STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES <b>CRASH CUSHION</b> <b>SAND FILLED PLASTIC BARRELS</b> <b>(TEMPORARY OR PERMANENT)</b>  <b>STANDARD NO. MD 104.01-72</b>
APPROVED	 DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT	
APPROVAL SHA REVISIONS	APPROVAL FEDERAL HIGHWAY ADMINISTRATION	
APPROVAL 8-20-03	APPROVAL 9-23-03	
REVISED 3-26-18	REVISED 9-18-17	
REVISED	REVISED	