

CHECKLIST FOR RIPRAP

CONTROL SECTION	JOB NUMBER	DATE
STRUCTURE NUMBER	PROJECT NAME	
SUB-UNIT	INSPECTOR	
CONTRACTOR	PROJECT ENGINEER	

	<u>INITIALS</u>	<u>DATE</u>
<p>1. If there is a special provision in the proposal for RIPRAP SPECIAL, RIPRAP UNDER STRUCTURES, and/or RIPRAP INSIDE CULVERT, answer questions a through c below:</p> <ul style="list-style-type: none"> a. Does riprap have a 2.5 minimum bulk dry specific gravity? b. Does the riprap have a 2.5 percent maximum 24-hour soak in accordance with American Society for Testing and Materials (ASTM) D6473? c. Weight loss in 5 cycles by use of sulfate soundness testing must not exceed 10 percent in accordance with ASTM D5240. 		
2. Has the riprap gradation been determined using the Wolman Count, according to Federal Lands Highway Standard Test Method T521-13?		
3. Has riprap been checked at the pit to make sure the riprap is the correct size?		
4. Has riprap been checked when received on the project to make sure riprap did not breakdown between the quarry and the project site?		
5. Does the non-woven geotextile liner meet standard specifications requirements? Woven geotextile is not allowed to be used.		
6. Is the non-woven geotextile liner being overlapped at least 2 feet?		
7. Is the non-woven geotextile liner shingle lapped with the water runoff?		
8. Is the non-woven geotextile liner being wrapped around as shown on the plans?		
9. Is the riprap that is being placed free of any soil, crushed concrete, or other contamination?		
10. Is the contractor filling the voids between the rocks placed with smaller rocks to ensure a uniform layer?		
11. Is the depth of the riprap the correct depth throughout the placement as shown on the plans?		
12. Are the side headers and toe headers built according to the plan details?		
13. Riprap elevations (Part 31 of PA 451 compliance):		
a. Is the top of riprap set at or below the existing streambed/slope elevation?		
b. Is the riprap placement for filling in scour holes, as designated on plans (and compliant with the Michigan Department of Environment, Great Lakes, and Energy (EGLE) permit)?		