VOLUME DETERMINATION				
Test Number				
1. Final base reading				
2. Initial base reading				
3. Volume of hole (1)–(2)				
MOISTURE DETERMINATION				
Speedy Moisture Meter				
4. Dial ready				
5. Moisture content (calibration curve %)				
Oven Test 1/ Can Number				
6. Weight wet soil and container				
7. Weight dry soil and container				
8. Weight of moisture (6)–(7)				
9. Weight of container				
10. Weight of dry soil (7)–(9)				
11. Percent moisture in soil ((8)/(10)) 100				
DENSITY DETERMINATION				
12. Weight wet soil and container				
13. Weight of container				
14. Weight of wet soil (12)–(13)				
15. Weight of dry soil $14 + \left(1 + \frac{(5) \text{ or } (11)}{100}\right)$				
16. Dry density soil (15)/(3)				
17. Maximum dry density				
18. Percent maximum dry density ((16)/(17)) 100				

Location_____Date_____

Watershed_____Subwatershed_____

Contract No._____Contractor_____

Site No_____Tested By_____Checked By_____

Test No.	Location of Test			Borrow Source and Kind OF Material
	Station	Distance Right or Left	Elevation	

Test No.	Specification Requirements		Test Results		Curve No.
	Moist Range	% Compaction	% Moisture	% Compaction	

Remarks: _____

Date

Designed ___ ___ ___

Drawn M. QUINONES 8/1/14

Checked ___ ___ ___

Approved ___ ___ ___

MOISTURE–DENSITY DETERMINATION RUBBER BALLOON METHOD

United States Department of Agriculture

Natural Resources Conservation Service

File No. IL–ENG–14

Drawing No.

Page 1 of 1

Sheet of