

## Section 1054

### 1 1052-3 LIME

#### 2 (A) Chemical Requirements

3 Quicklime and hydrated lime for soil stabilization shall meet ASTM C977 except that it  
4 shall contain at least 86% available calcium oxide (CaO) on an LOI-free basis.

#### 5 (B) Physical Requirements

##### 6 (1) Hydrated Lime

7 Hydrated lime shall have at least 85% passing a No. 200 sieve.

##### 8 (2) Quicklime

9 Grade quicklime so 100% passes a 1/4" sieve.

#### 10 (C) Sampling and Inspection

11 Furnish Type 1 or Type 2 material certifications with each shipment of lime attesting that  
12 the lime meets the Specifications in accordance with Article 106-3; however, the material  
13 will be subject to inspection, test or rejection by the Engineer at any time.

14 Lime from more than one source or more than one type may be used on the same project,  
15 but the different limes shall not be mixed. Protect the lime from exposure until used and  
16 sufficiently dry it to flow freely when handled.

## 17 SECTION 1054 18 DRAINS

### 19 1054-1 DECK DRAINS

20 Provide deck drains made of PVC pipe or of steel pipe. Use the type of pipe as shown in the  
21 plans.

22 PVC pipe shall meet ASTM D1785 or D2665, and have four 1/2" square lugs shop glued at  
23 approximately equal spacing around the pipe at 3" from the top end of each deck drain.

24 Steel pipe shall meet ASTM A53 for standard weight galvanized pipe.

### 25 1054-2 FUNNELS AND FUNNEL DRAINS

#### 26 (A) Funnels

27 Fabricate funnels for corrugated aluminum alloy pipe from clad aluminum alloy sheets  
28 meeting AASHTO M 196. Perform fabrication by riveting. The completed funnel shall  
29 meet AASHTO M 196.

30 Fabricate funnels for corrugated steel pipe of steel meeting AASHTO M 218.  
31 Fabrication may be by riveting or by welding. The completed funnel shall meet  
32 AASHTO M 36.

#### 33 (B) Funnel Drain Pipe, Elbows and Fittings

34 Funnel drain pipe, elbows and other fittings may be, at the option of the Contractor, either  
35 corrugated aluminum alloy or corrugated steel. Corrugated aluminum alloy pipe, elbows  
36 and other fittings shall meet Article 1032-2. Corrugated steel pipe, elbows and other  
37 fittings shall meet Article 1032-3.