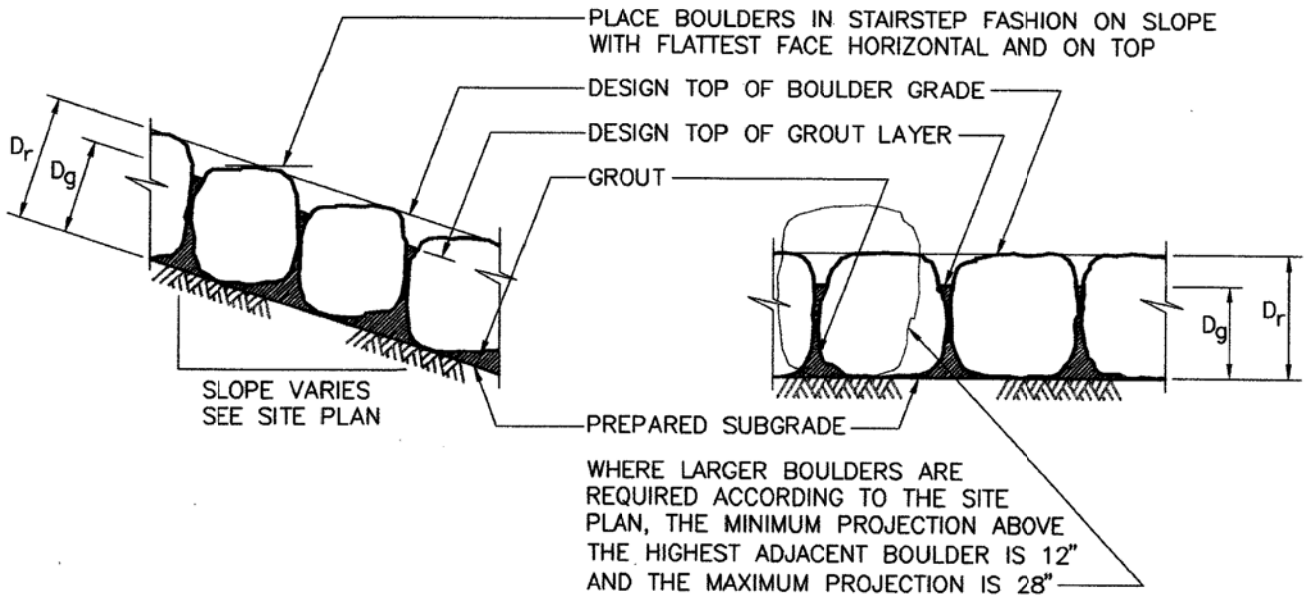

BOULDER SIZE (D_r)	D_g
DIMENSIONS IN INCHES	
12	6
24	18
30	22
36	27
42	31
60	45
66	49
72	54

Dr = DEPTH OF ROCK LAYER WHICH IS EQUIVALENT TO MINIMUM BOULDER SIZE – SEE TABLE ABOVE

Dg = DEPTH OF GROUT LAYER – SEE TABLE ABOVE

1. THE TOPS OF BOULDERS MAY VARY FROM THE DESIGN GRADE BY 4"±. AT A DROP CREST NO BOULDER SHALL VARY FROM THE DESIGN GRADE BY MORE THAN 1" OR AS INDICATED ON THE DRAWINGS. THE ENGINEER MAY REQUEST GREATER VARIATION AT SELECT LOCATIONS.
2. BEFORE GROUTING, CLEAN FROM THE BOULDERS ALL DIRT AND MATERIALS THAT COULD PREVENT THE GROUT FROM BONDING TO THE BOULDERS. FINAL PLACEMENT OF THE BOULDERS TO BE APPROVED BY THE ENGINEER PRIOR TO GROUTING.
3. INJECT GROUT BETWEEN BOULDERS TO FILL VOIDS UNDER AND BETWEEN BOULDERS. USE CONCRETE VIBRATOR TO CONSOLIDATE THE GROUT. THE CONTRACTOR SHALL CONTROL GROUT PLACEMENT TO ACHIEVE THE REQUIRED DEPTH OF GROUT. CLEAN EXCESS GROUT FROM ALL SURFACES TO BE EXPOSED. TROWEL THE GROUT SURFACE TO ACHIEVE A SMOOTH SURFACE BETWEEN BOULDERS WITHOUT PUDDLES.
4. SPACING BETWEEN BOULDERS SHALL BE KEPT TO MINIMUM REQUIRED FOR PLACEMENT OF GROUT AND TO MINIMIZE VISUAL APPEARANCE OF GROUT

ADAPTED FROM SELLARDS AND GRIGG, INC.

Greenwood Village
Hydraulic Structures
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Figure 12–3
Typical Landscaped Grouted Boulder Placement

FIG 12-3.dwg tif:fig1203.tif