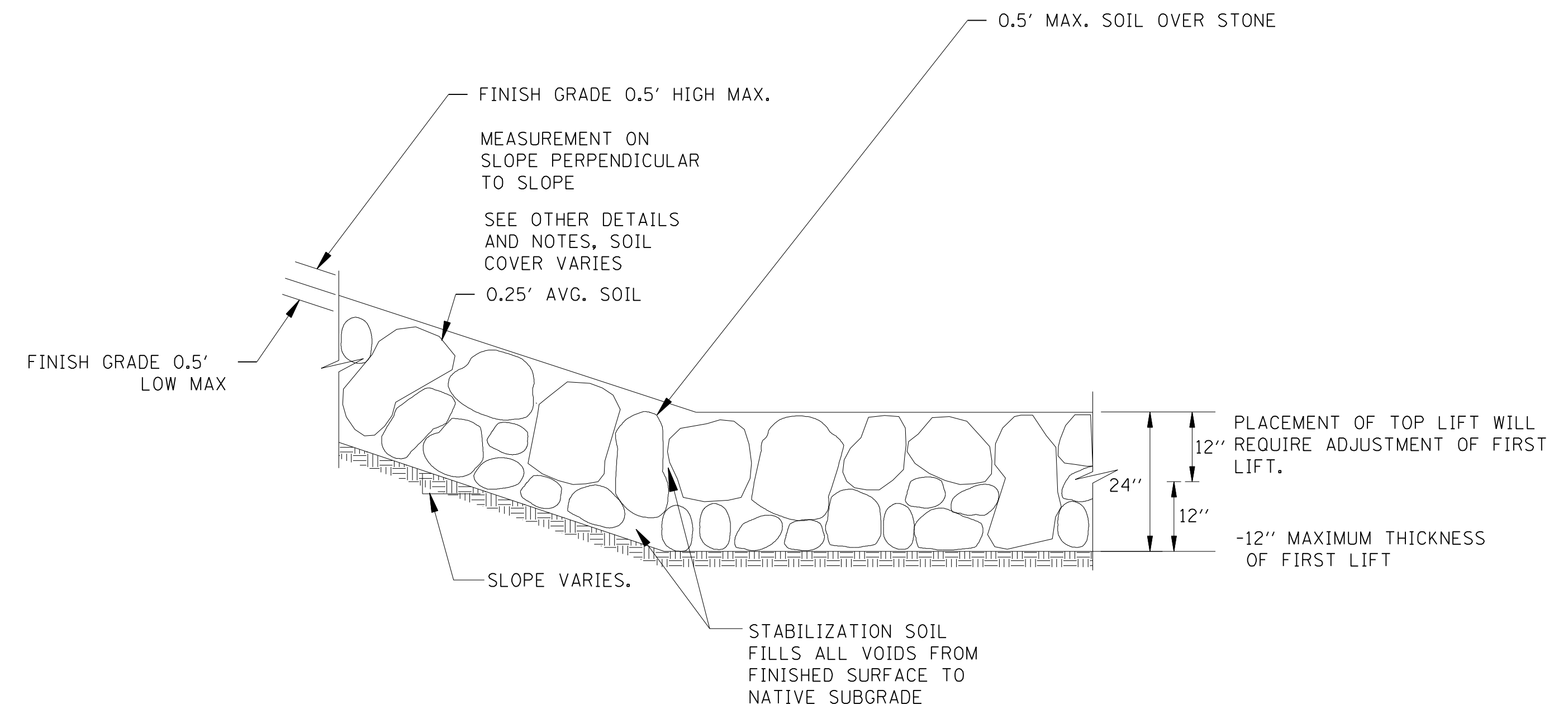


21 STEPPED RIPRAP (SPECIAL) DETAIL



NOTES:  
RIPRAP SPECIAL IS A MIXTURE OF REGULAR RIPRAP WITH STABILIZATION SOIL. STABILIZATION SOIL IS A MIXTURE OF ON-SITE SOILS, APPROVED ORGANIC MATERIAL, TOPSOIL, AND AMENDMENTS THAT WILL ENCOURAGE PLANT GROWTH. AT MINIMUM THE MIX PROVIDED BY THE CONTRACTOR WILL BE A CLAY (20% MINIMUM) SOIL THAT IS EROSION RESISTANT. THE INTENT IS TO PROVIDE A MIX OF ON-SITE SOILS WITH AMENDMENT SUCH AS STABILIZED SLUDGES OR MANURE AND FERTILIZER. AN IMPORTED TOPSOIL OR OTHER 100% IMPORT IS NOT NECESSARY. SEE SPECIAL PROVISIONS FOR FURTHER DETAILS.

BEFORE PLACEMENT MIX RIPRAP WITH STABILIZATION SOIL AT APPROXIMATE RATIO OF 75% RIPRAP : 25% STABILIZATION SOIL. PLACE IN TWO LIFTS (MINIMUM) WITH LARGER ROCK ON TOP. ROCK VOIDS TO BE COMPLETELY FILLED FORMING A HOMOGENEOUS MASS FOR THE FORMATION OF A ROOT MAT INTERTWINED WITH THE RIPRAP. STABILIZATION SOIL IS TO FILL RIPRAP VOIDS, NOT DISPLACE RIPRAP.

GENERAL PLACEMENT TECHNIQUES SHOULD RESULT IN LARGER ROCK AT THE SURFACE WITH ROCK SECURELY INTERLOCKED AT THE DESIGN THICKNESS AND GRADE. COMPACTION AND LEVELING SHOULD RESULT IN MINIMAL VOIDS AND PROJECTIONS ABOVE GRADE. TYPICAL FOR BOTH BURIED AND EXPOSED RIPRAP.

20 TYPICAL STONE RIPRAP (SPECIAL) PLACEMENT  
NO SCALE

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