



NOTES:

1. $\phi = 45^\circ$ FOR DEPTH OF 5'-0" OR LESS.
 $\phi = 60^\circ$ FOR DEPTH OVER 5'-0".
2. SAME TREATMENT IS TO BE USED AT ENDS
OF WALLS, PIERS, AND ABUTMENTS.

LIMITS OF GRAVEL BORROW FOR BRIDGE FOUNDATIONS

NOT TO SCALE

NOTES:

1. Do not use where bridge abutment or retaining wall is subjected to unprotected stream flow.
2. Refer to Bridge Manual Part I, Section 3.2.5, for direction regarding Bearing Resistance.
3. Gravel Borrow For Bridge Foundations must be installed in the dry. Use water control where required.



LRFD BRIDGE
MANUAL, PART II

GRAVEL BORROW FOR
BRIDGE FOUNDATIONS
FOUNDATIONS AND FILL

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