UNDERSTANDING SITE SOILS AND PROPER MINIMUM SOIL PARAMETERS FOR INFILL SOIL AS WELL AS PROPER DRAINAGE REQUIREMENTS ARE ESSENTIAL TO DESIGNING AND CONSTRUCTING A WALL PROPERLY. (CHAPTERS 6.1, 6.2, 6.3, 6.4, AND 6.5)

ALLOWABLE SOILS TO BE USED BELOW THE WALL STRUCTURE FACE (CHAPTER 6.2)

ALLOWABLE SOILS TO BE USED IN REINFORCED MASS (CHAPTER 6.3)

WALL ROCK COLUMN SIZE OF MATERIAL USED (CHAPTER 6.4)

TESTING FREQUENCY SHOULD BE SET TO REACH PROPER COMPACTION REQUIREMENTS (CHAPTER 6.6)

HAND OPERATED PLATE COMPACTOR ONLY TO BE USED IN THE CONSOLIDATION ZONE (CHAPTER 6.7)

COMPACTION OF SECOND COURSE AND ABOVE WILL BEGIN BY RUNNING THE PLATE COMPACTOR DIRECTLY ON THE BLOCK FACING (CHAPTER 6.7)

HEAVY COMPACTION EQUIPMENT MAY BE USED BEHIND THE CONSOLIDATION ZONE (CHAPTER 6.7)

TYPICAL DENSITY TESTING SHOULD FOLLOW ENGINEER OF RECORDS SPECIFICATIONS (CHAPTER 6.7 & 6.9)

MAXIMUM FILL AND COMPACTION Lifts OF 8 in (20 cm) WITH NO EXCEPTIONS (CHAPTER 6.8)

IMPLEMENT TEMPORARY BERM OR GRADE THE BACKFILL AT DAY’S END TO AVOID WATER ACCUMULATION BEHIND THE WALL (CHAPTER 6.11)

* SEE BEST PRACTICES DOCUMENT CHAPTER 6.0 FOR MORE SOIL & COMPACTION NOTES

FINISHED GRADE

3 ft (0.9 m) CONSOLIDATION ZONE

COMPACTION ZONE (TO BACK OF CUT)

WALL ROCK & INFILL SOIL COMPACTED IN 8 in (20 cm) LIFTS EVERY COURSE

95% OF MAXIMUM STANDARD PROCTOR DRY DENSITY WITH MOISTURE WITHIN OPTIMUM TOLERANCE ARE TYPICAL MINIMUM REQUIREMENTS

4 in (10 cm) HEEL DRAIN PIPE VENTED TO DAYLIGHT

4 in (10 cm) TOE DRAIN PIPE VENTED TO DAYLIGHT

8 in (20 cm) MAX

INFILL SOIL

COMPACTION TEST LOCATION EVERY COURSE AT 25 ft (7.6 m) MAX INTERVALS ALONG WALL BY VARYING LOCATIONS THROUGHOUT INFILL SOIL

EMBEDMENT DEPTH

FOUNDATION SOIL

This drawing should not be used for final design or construction without the certification of a professional engineer registered in the state in which the wall will be built. The accuracy and use of details contained in this document are the sole responsibility of the user. The user must verify each detail for accuracy as they pertain to their particular project. © 2005 Allan Block

Designed By: KAH  Title: BEST PRACTICES SOIL & COMPACTION  Date: 04/29/2014

Checked By: RJL  Project No: I099.14

Scale: NOT TO SCALE  Drawing No: 5