## GEOTECHNICAL CALCULATION COVER SHEET

400 N 34th St, Suite 100; Seattle, WA 98103  PROJECT: Cleveland Innerbelt CCG1  CLIENT: HNTB / Walsh  TITLE:  Required Rock Socket Length Based on O-Cell Test	SHANNON & WILSON, INC.	CALC. NO:	
CLIENT: HNTB / Walsh SUBMITTAL NO.: 0  TITLE:	400 N 34th St, Suite 100; Seattle, WA 98103	JOB NO: 21-1-21361-611	
TITLE:	PROJECT: Cleveland Innerbelt CCG1	# SHEETS: 4 (not including cover)	
·	CLIENT: HNTB / Walsh	SUBMITTAL NO.: 0	

## PURPOSE AND OBJECTIVE:

Revise rock socket length based on unit side and base resistances determined from the results of the O-Cell test as reported by LoadTest in their revised report dated May 4, 2012.

## **SUMMARY AND CONCLUSIONS:**

Required rock socket length is 8.3 feet and is controlled by minimum depth stipulated in the RFP of 1.5D (where D is the diameter of the shaft). Estimated shaft settlements under Service limit loads is approximately 1/2 to 1 inch.

## SIGN OFF

REV. NO.	ORIGINATOR	TECHNICAL REVIEW	PRINCIPAL REVIEW
REV. NO.	Name/Date	Name/Date	Name/Date
1	Gerard Buechel / 5-9-2012	David Vara / 5-9-2012	Bill Perkins / 5-10-2012

Rev. No	Revision Description	Revision Date







