



TYPICAL DETAIL JUNCTION OF STEM & FOOTING  
SCALE: 1/2" = 1'-0"

VALUES OF "G" MAXIMUM											
WALL TYPES	12	13	14	15	16	17	18	19	20	21	22
"G" MAX.	7'-11"	7'-11"	7'-11"	7'-2 1/2"	7'-2 1/2"	7'-7 1/2"	7'-8 1/2"	8'-2 1/2"	8'-3 1/2"	8'-8"	8'-1"

NOTE: "G" VARIES DUE TO CHANGE IN WALL HEIGHT "H". FOR VALUES OF "G" MAXIMUM SEE TABLE.

ILLINOIS DIVISION OF HIGHWAYS  
SOUTH EXPRESSWAY  
STANDARD RETAINING WALL DETAILS  
SPREAD FOOTINGS - 3000 P.S.F.  
WALL TYPES (12) THRU (19)

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbadainc.com

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)  
COOK COUNTY  
STA. 3532+90.57 TO STA. 3543+57.42  
RETAINING WALL S-45S-F  
EXISTING RET. WALL PLAN 4  
S.N. 016-W978  
SCALE: NTS  
DATE: JUNE 9, 2006  
DRAWN BY: MTR  
CHECKED BY: BLU

6/8/2006 11:00:41 AM